

FIG. 1
(Prior Art)

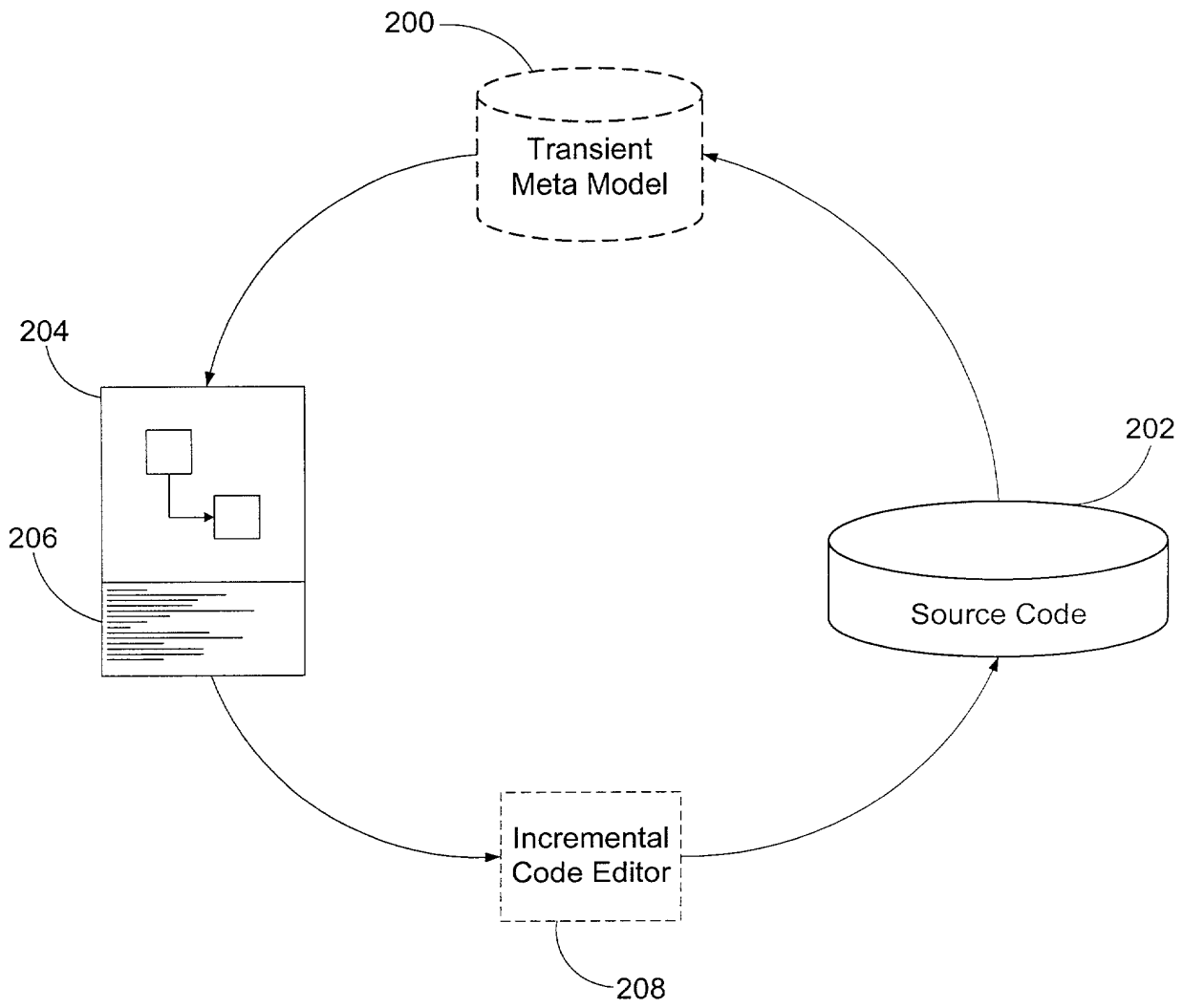
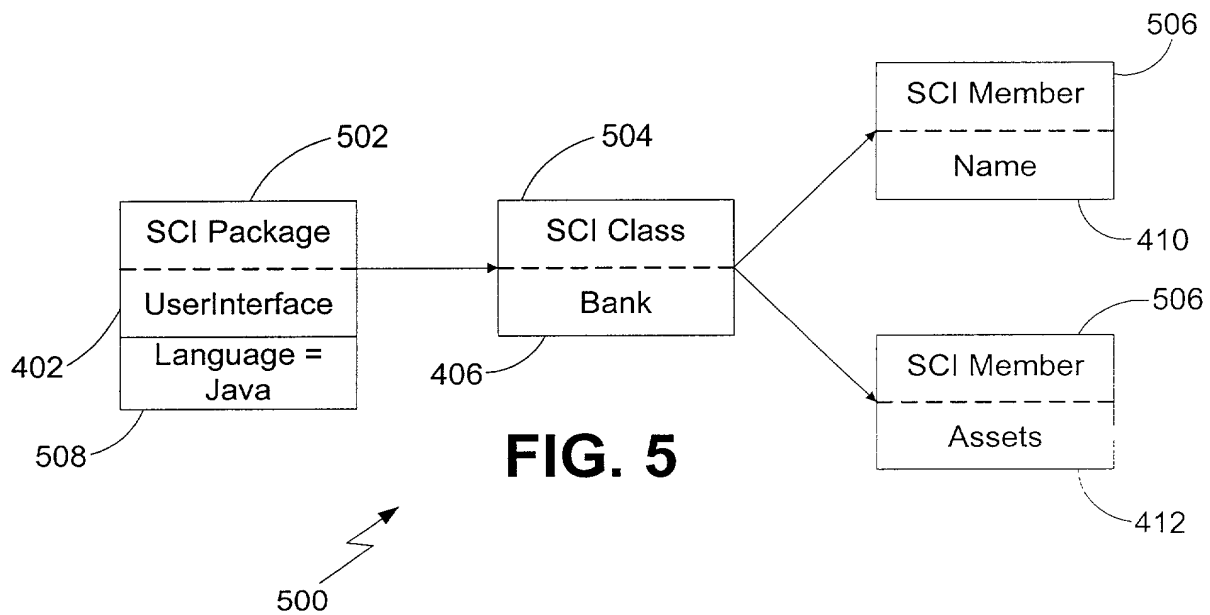
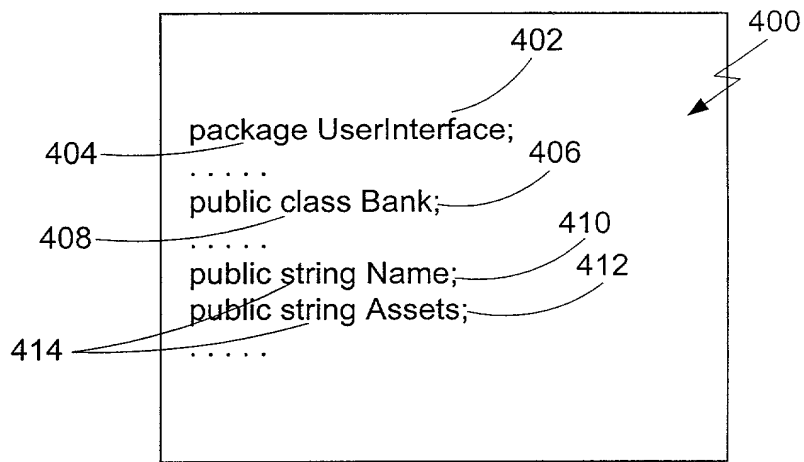
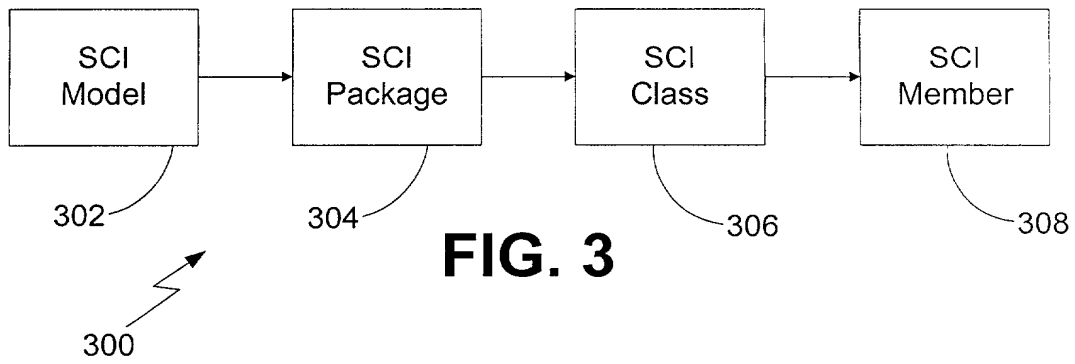


FIG. 2



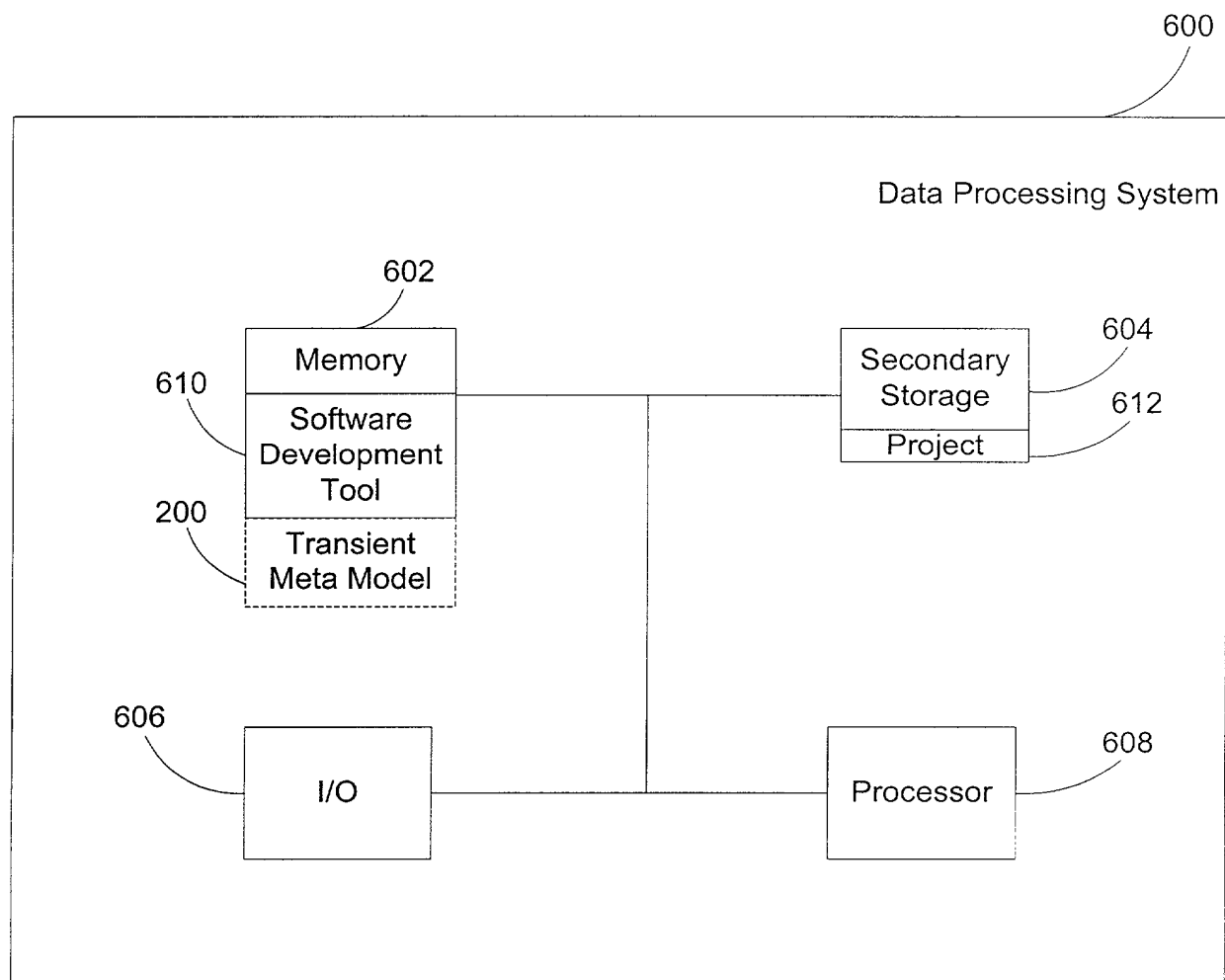


FIG. 6

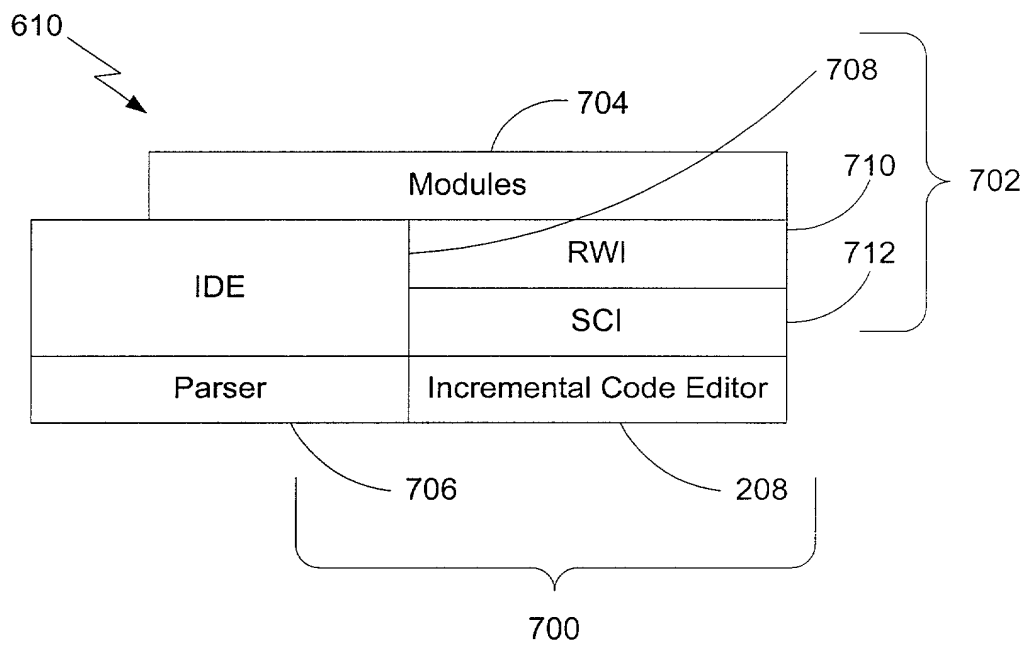


FIG. 7

DocId: 34362360

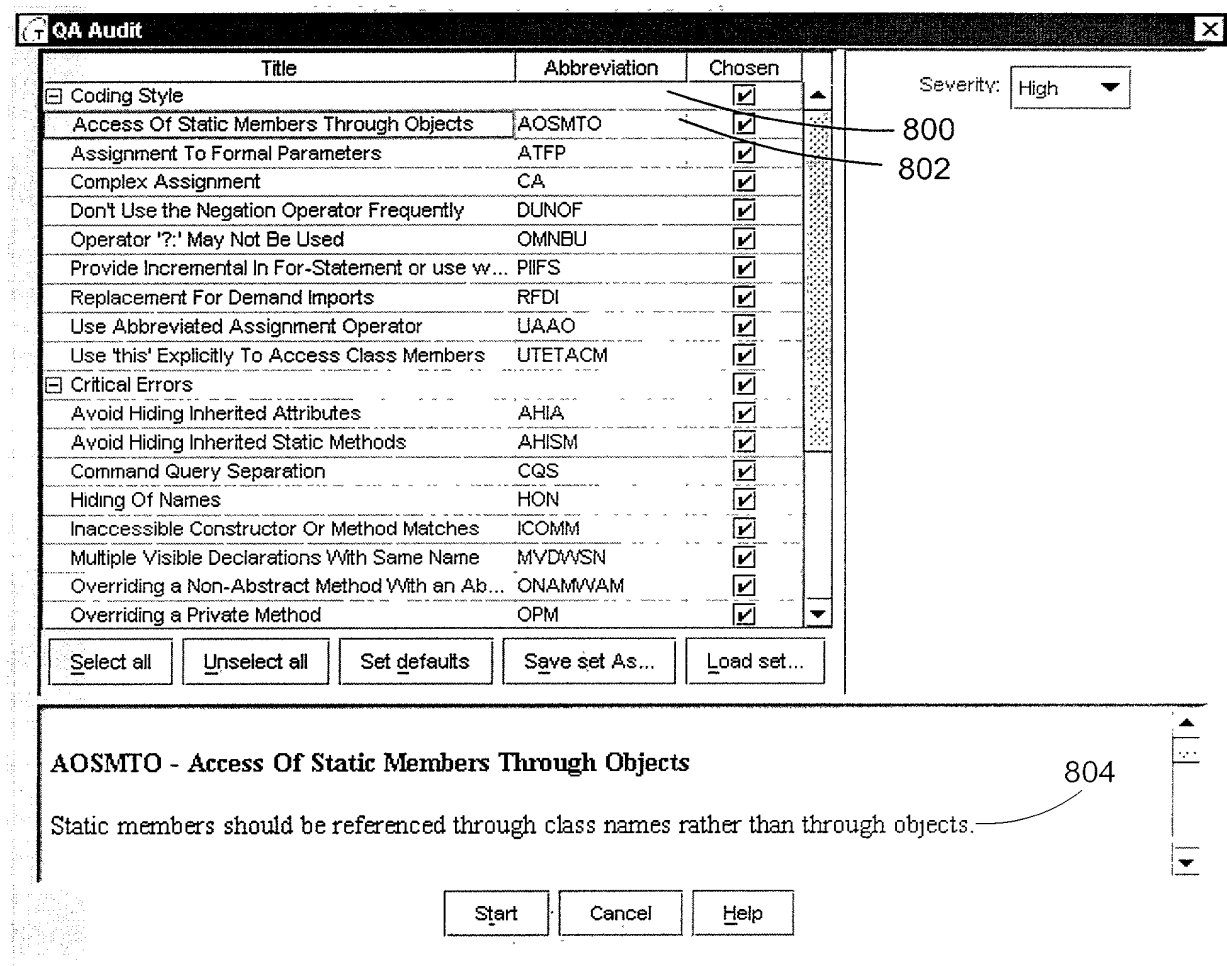


FIG. 8A

806

QA Audit

Title	Abbreviation	Chosen
Complex Assignment	CA	<input checked="" type="checkbox"/>
Don't Use the Negation Operator Frequently	DUNOF	<input checked="" type="checkbox"/>
Operator '?' May Not Be Used	OMNBU	<input checked="" type="checkbox"/>
Provide Incremental In For-Statement or use w...	PIIFS	<input checked="" type="checkbox"/>
Replacement For Demand Imports	RFDI	<input checked="" type="checkbox"/>
Use Abbreviated Assignment Operator	UAAO	<input checked="" type="checkbox"/>

Severity: Normal ▼

Select all Unselect all Set defaults Save set As... Load set...

CA - Complex Assignment

Checks for the occurrence of multiple assignments and assignments to variables within the same expression. Too complex assignments should be avoided since they decrease program readability

Wrong

```
// compound assignment
i *= j++;
k = j = 10;
l = j += 15;
// nested assignment
i = j++ + 20;
i = (j = 25) + 30;
```

Tip: Break statement into several ones.

Start Cancel Help

808

810

FIG. 8B

806

QA Audit

Title	Abbreviation	Chosen
Complex Assignment	CA	<input checked="" type="checkbox"/>
Don't Use the Negation Operator Frequently	DUNOF	<input checked="" type="checkbox"/>
Operator '?' May Not Be Used	OMNBU	<input checked="" type="checkbox"/>
Provide Incremental In For-Statement or use w...	PIIFS	<input checked="" type="checkbox"/>

Select all

Unselect all

Set defaults

Save set As...

Load set...

Severity: Normal

Tip: Break statement into several ones.

Right

```
// instead of i *= j++;
j++;
i *= j
// instead of k = j = 10;
k = 10;
j = 10;
// instead of l = j += 15;
j += 15;
l = j;
// instead of i = j++ + 20;
j++;
i = j + 20;
// instead of i = (j = 25) + 30;
j = 25;
i = j + 30;
```

Start

Cancel

Help

812

FIG. 8C

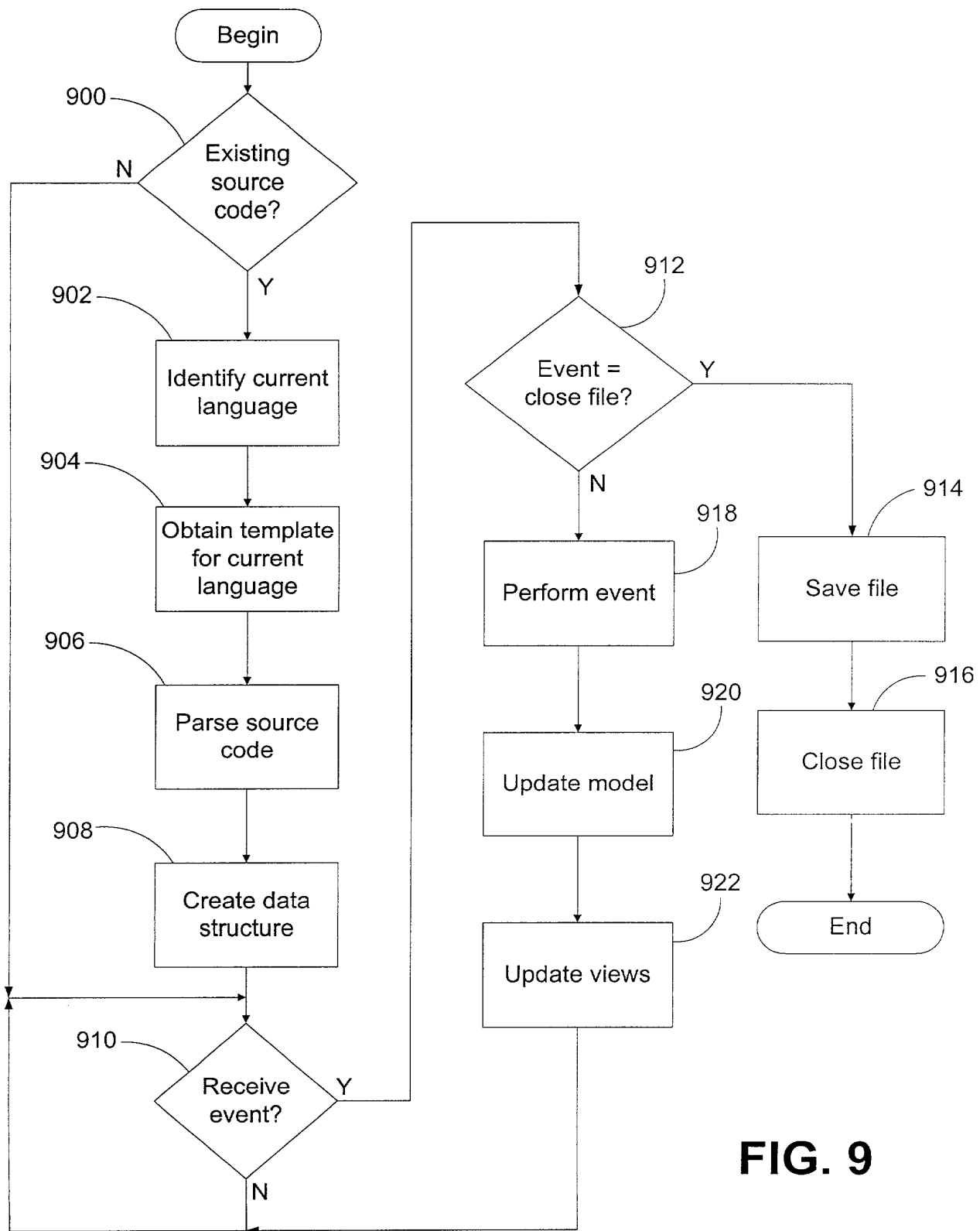


FIG. 9

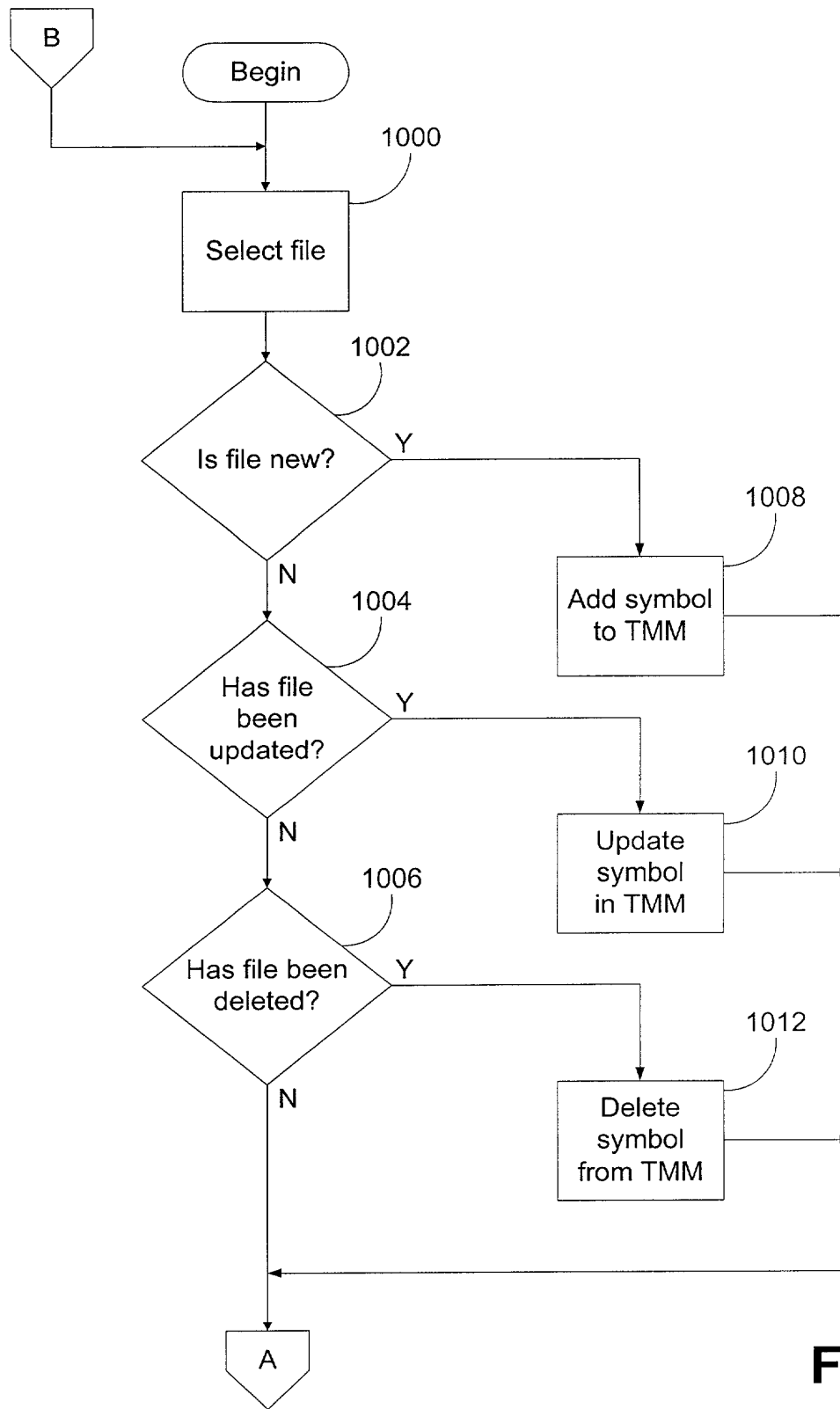


FIG. 10A

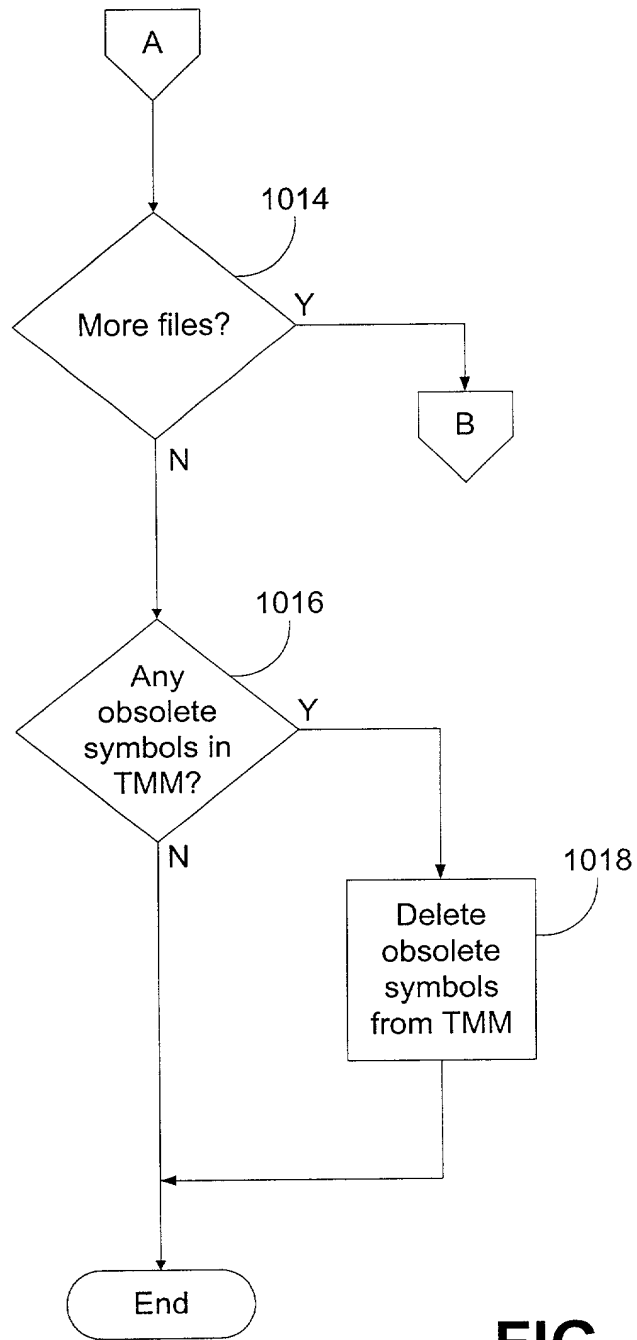


FIG. 10B

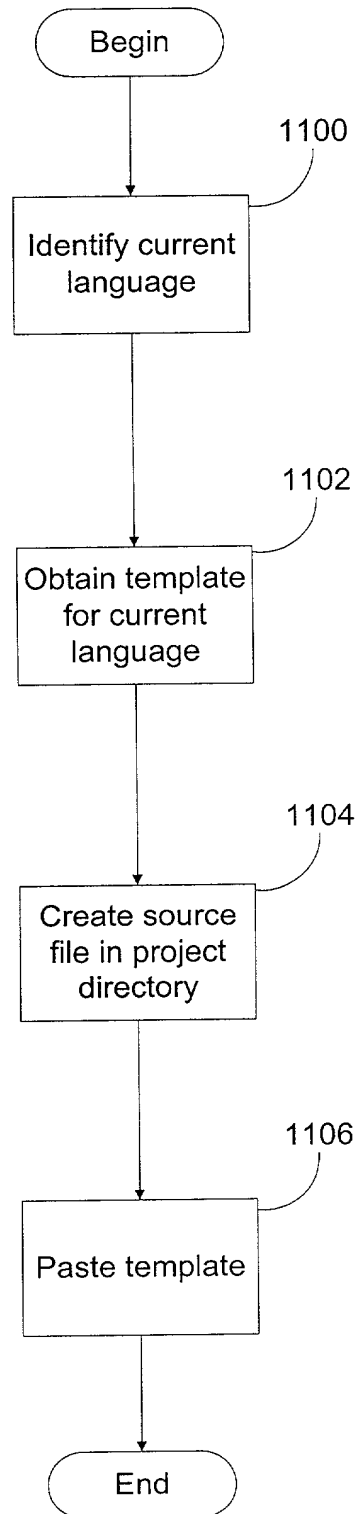


FIG. 11

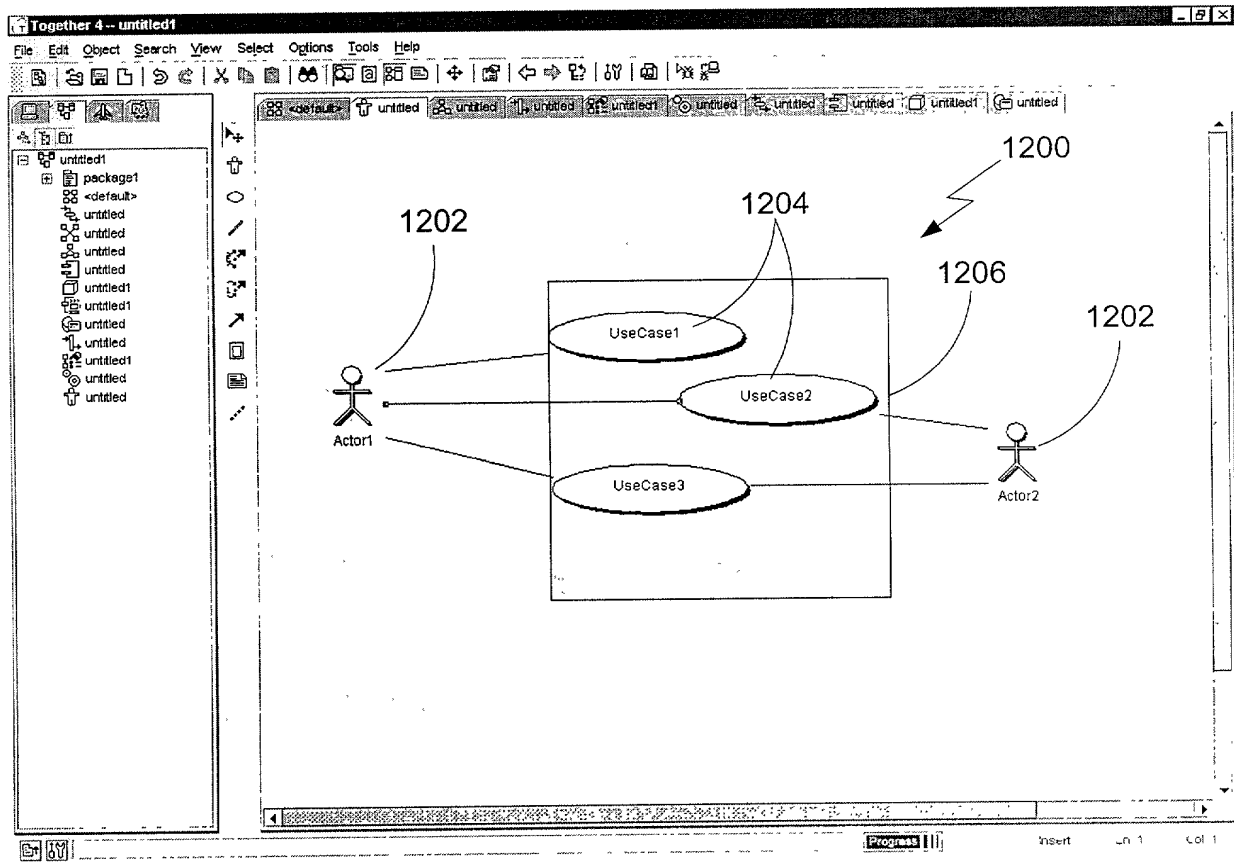


FIG. 12

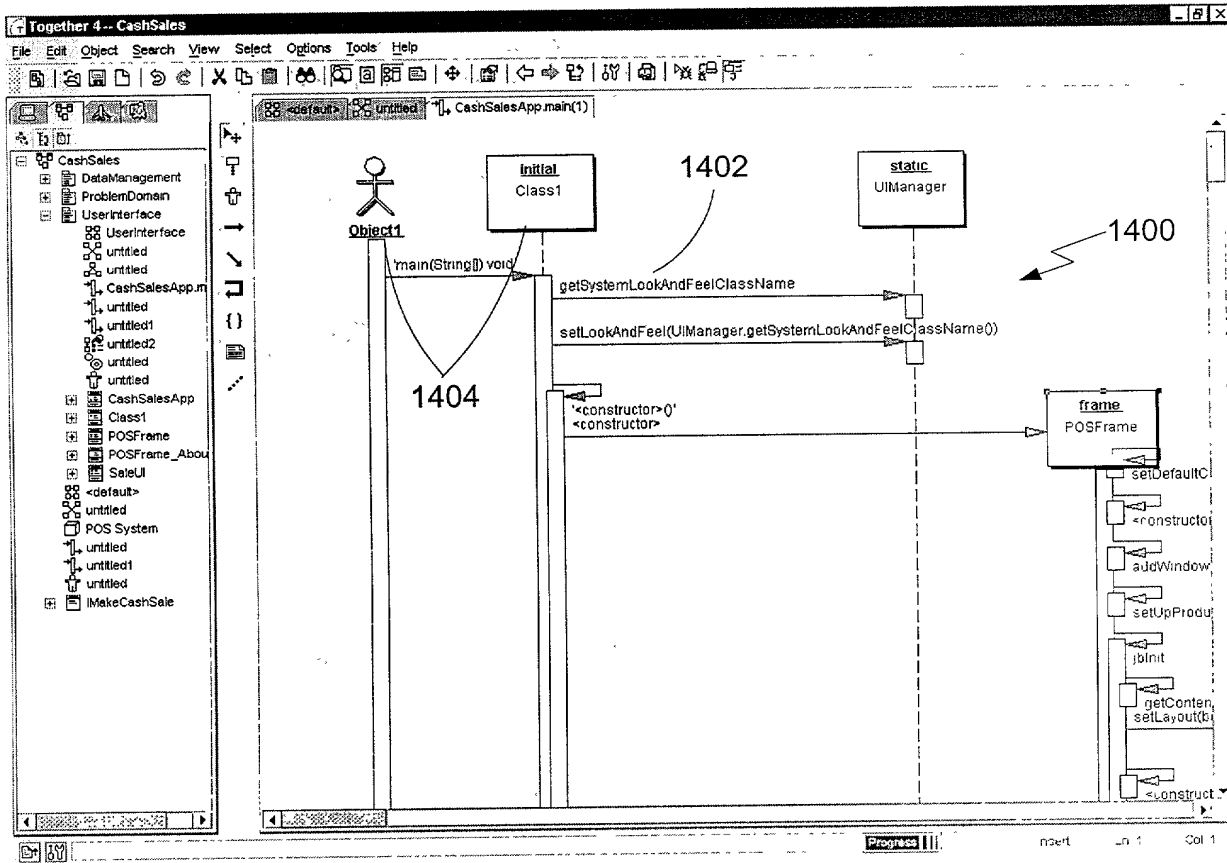


FIG. 14

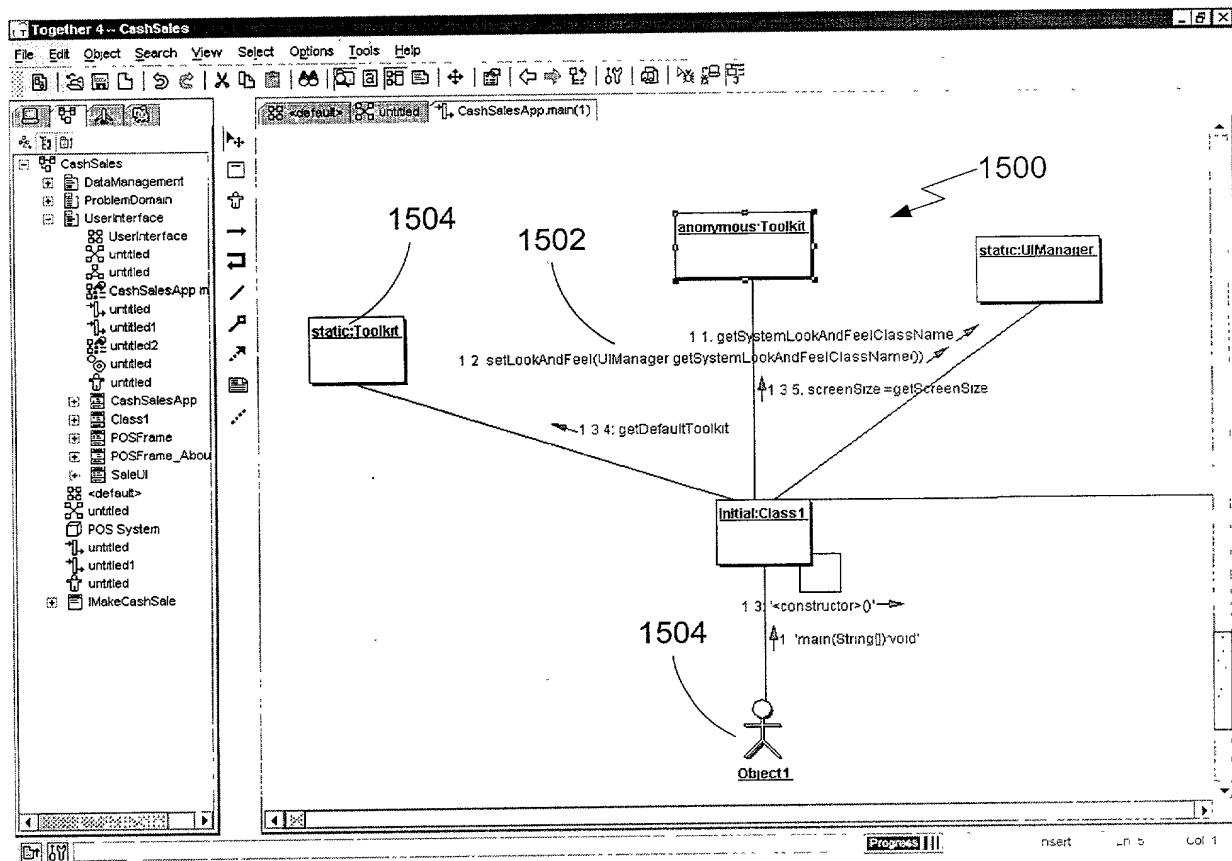


FIG. 15

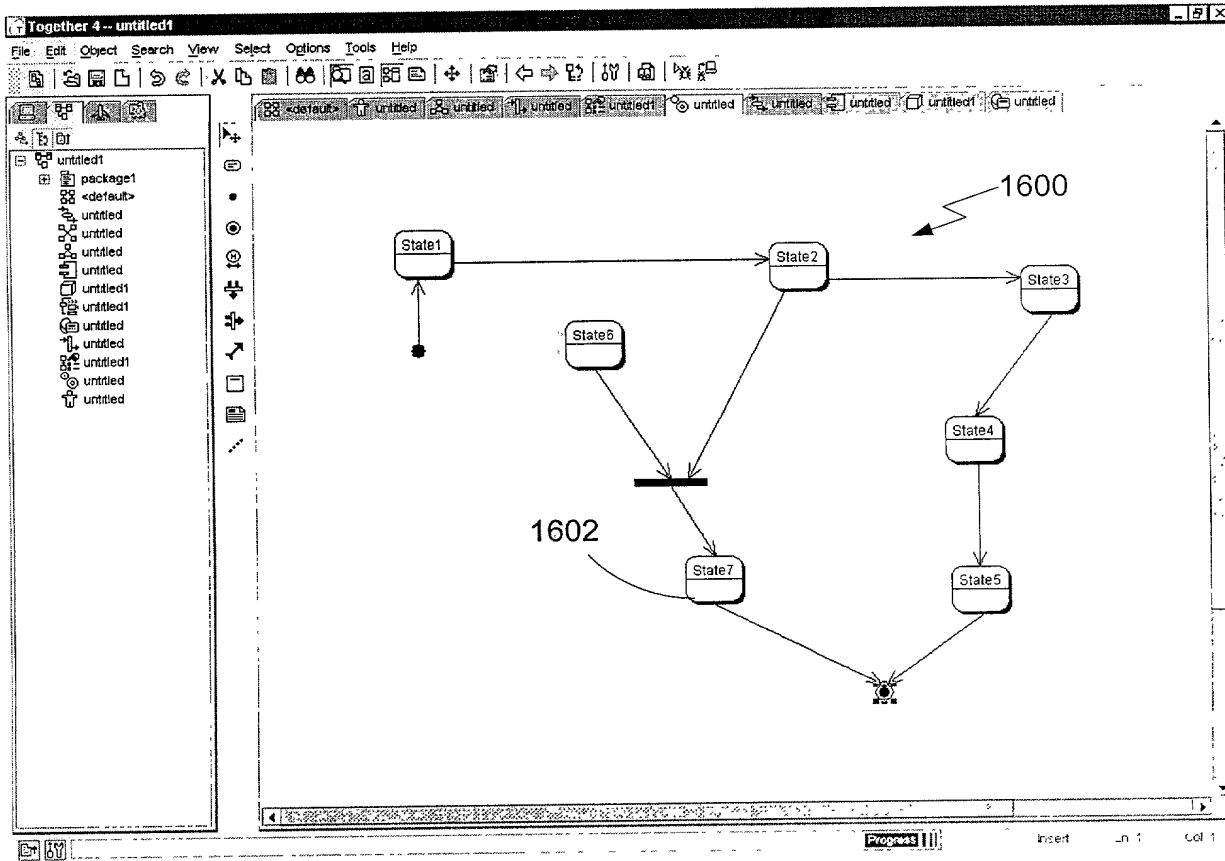


FIG. 16

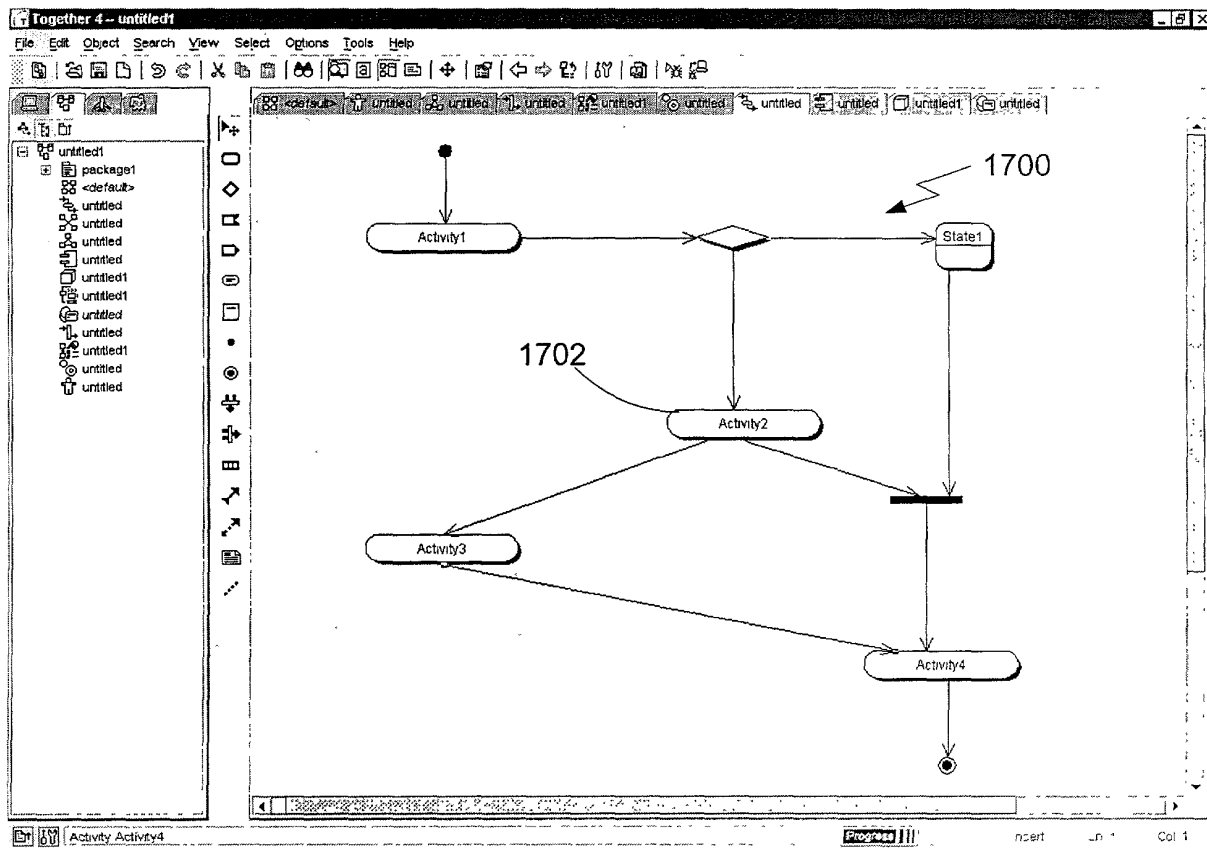


FIG. 17

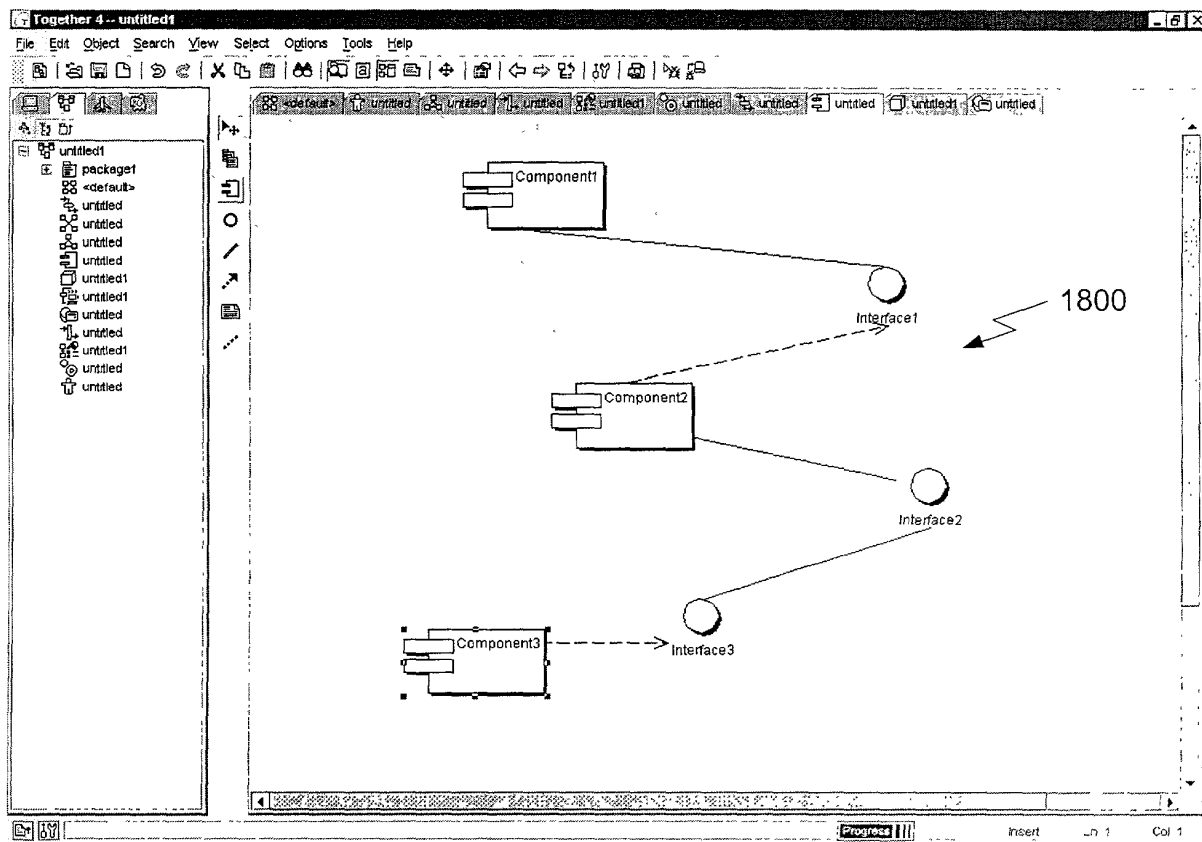


FIG. 18

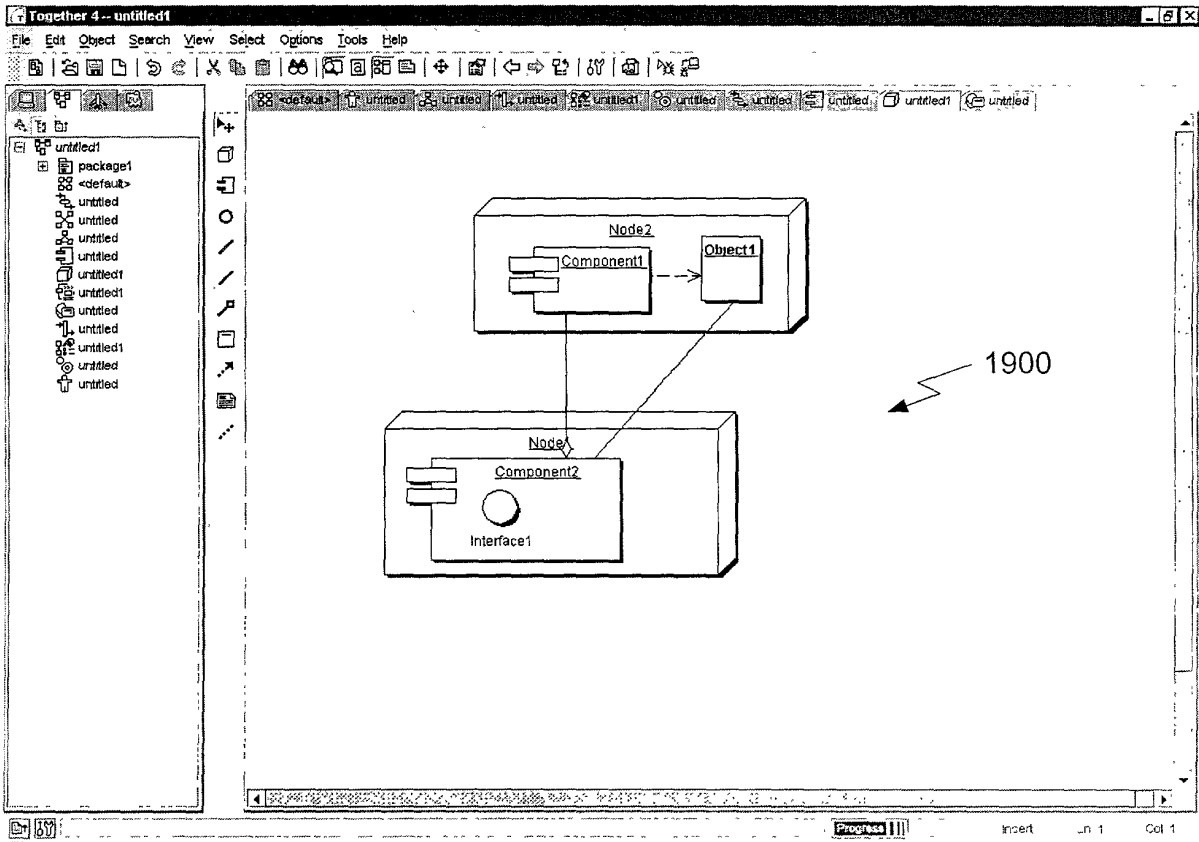


FIG. 19

FIG. 20

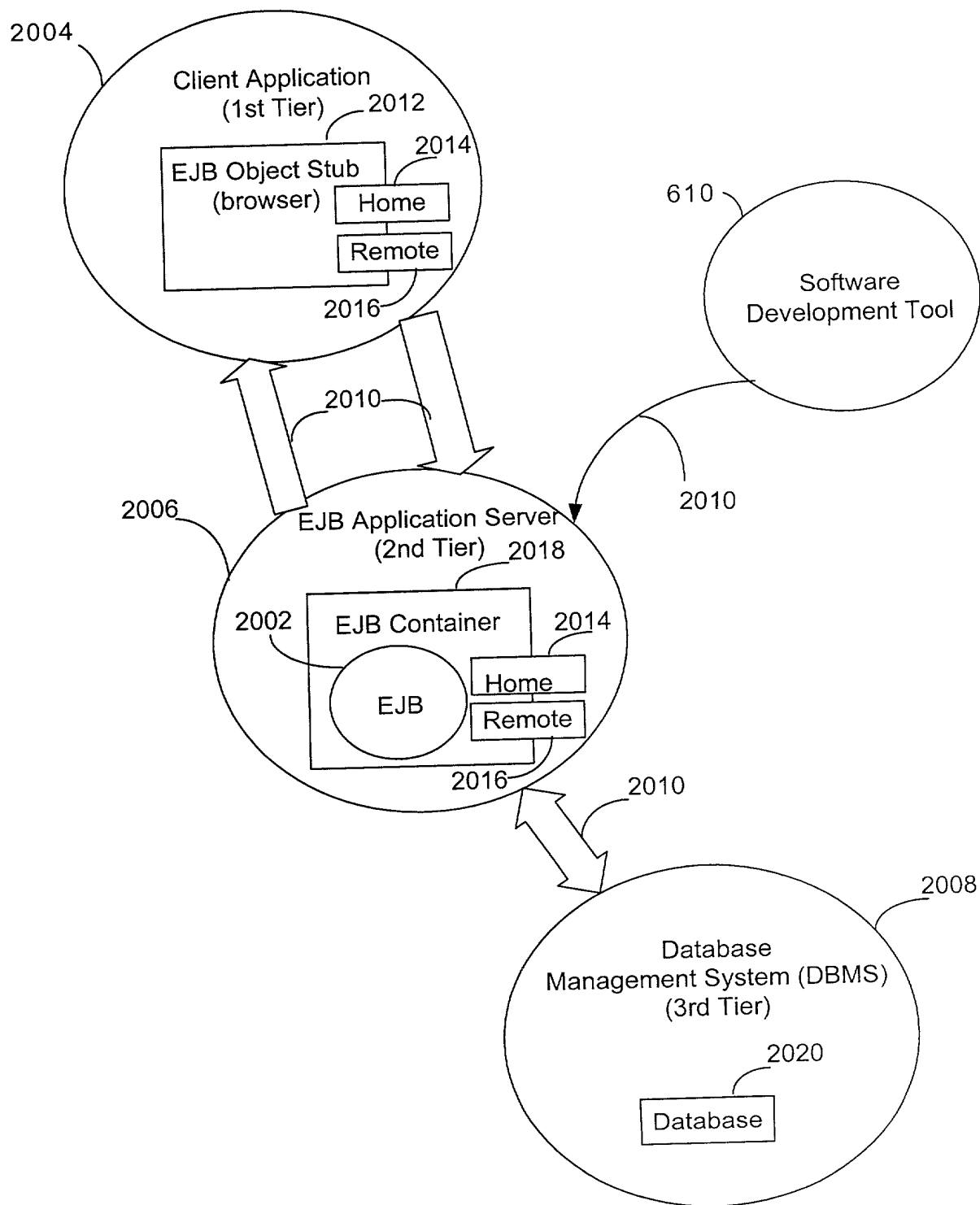


FIG. 21

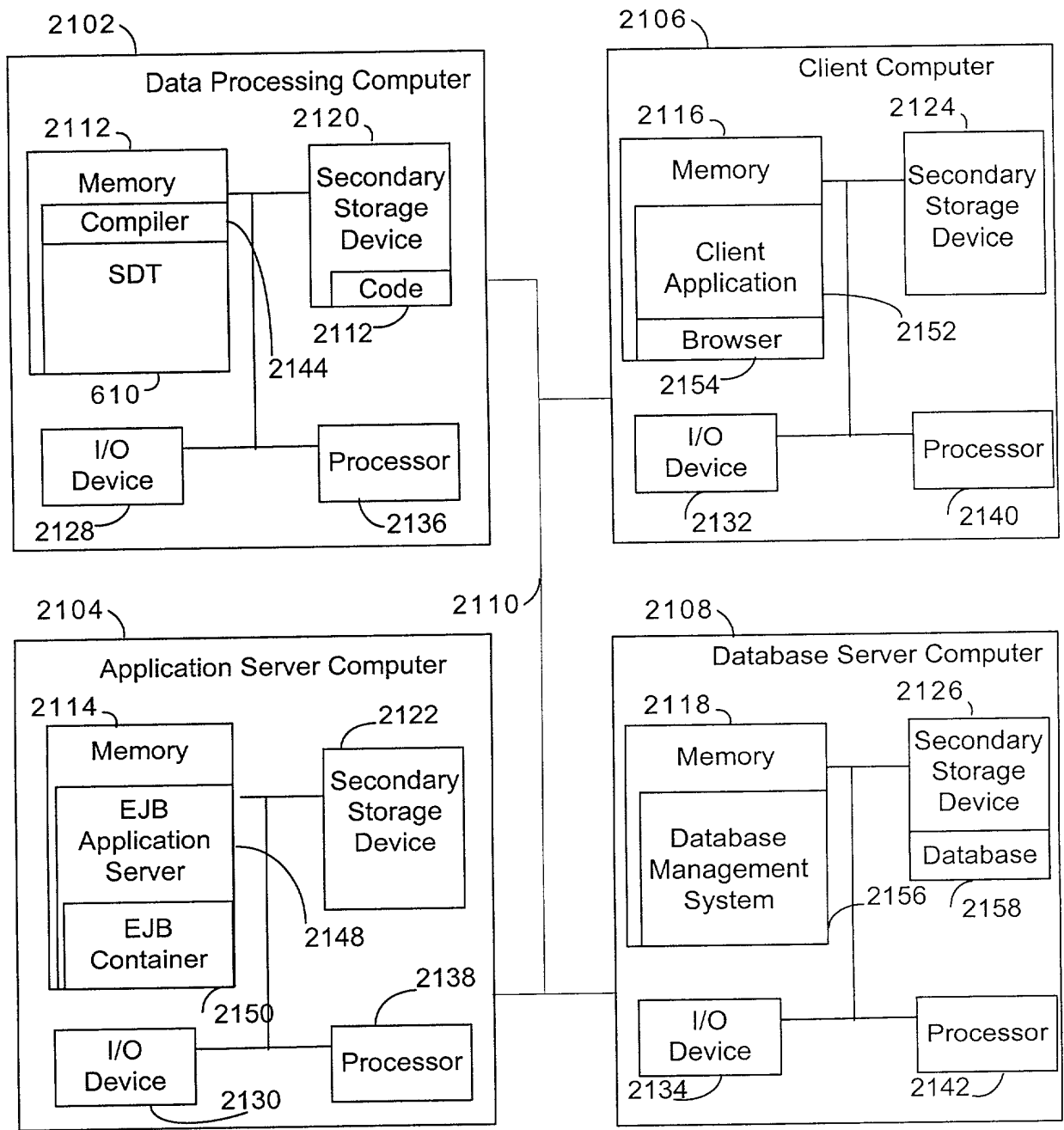


FIG. 22A

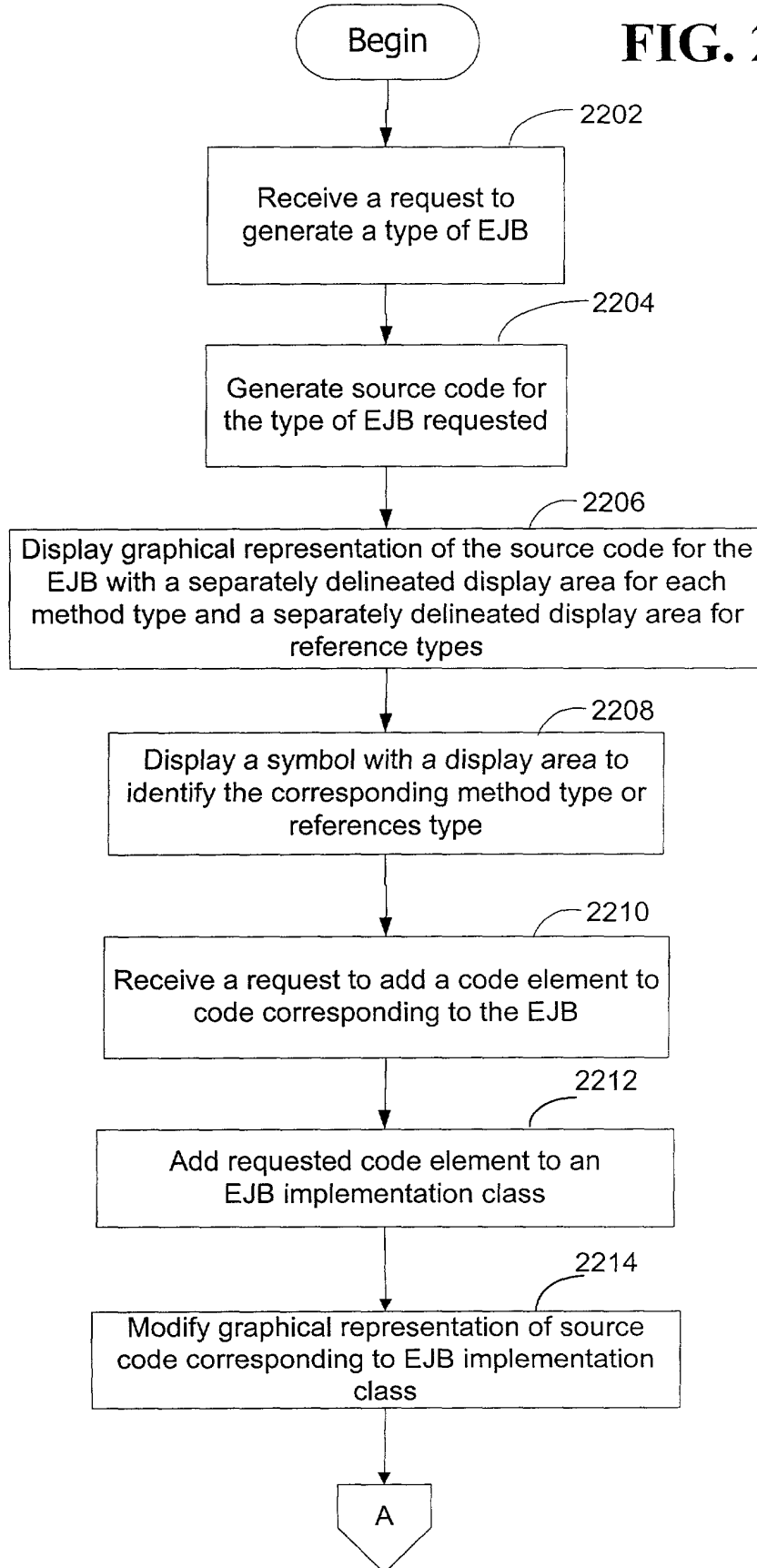


FIG. 22B

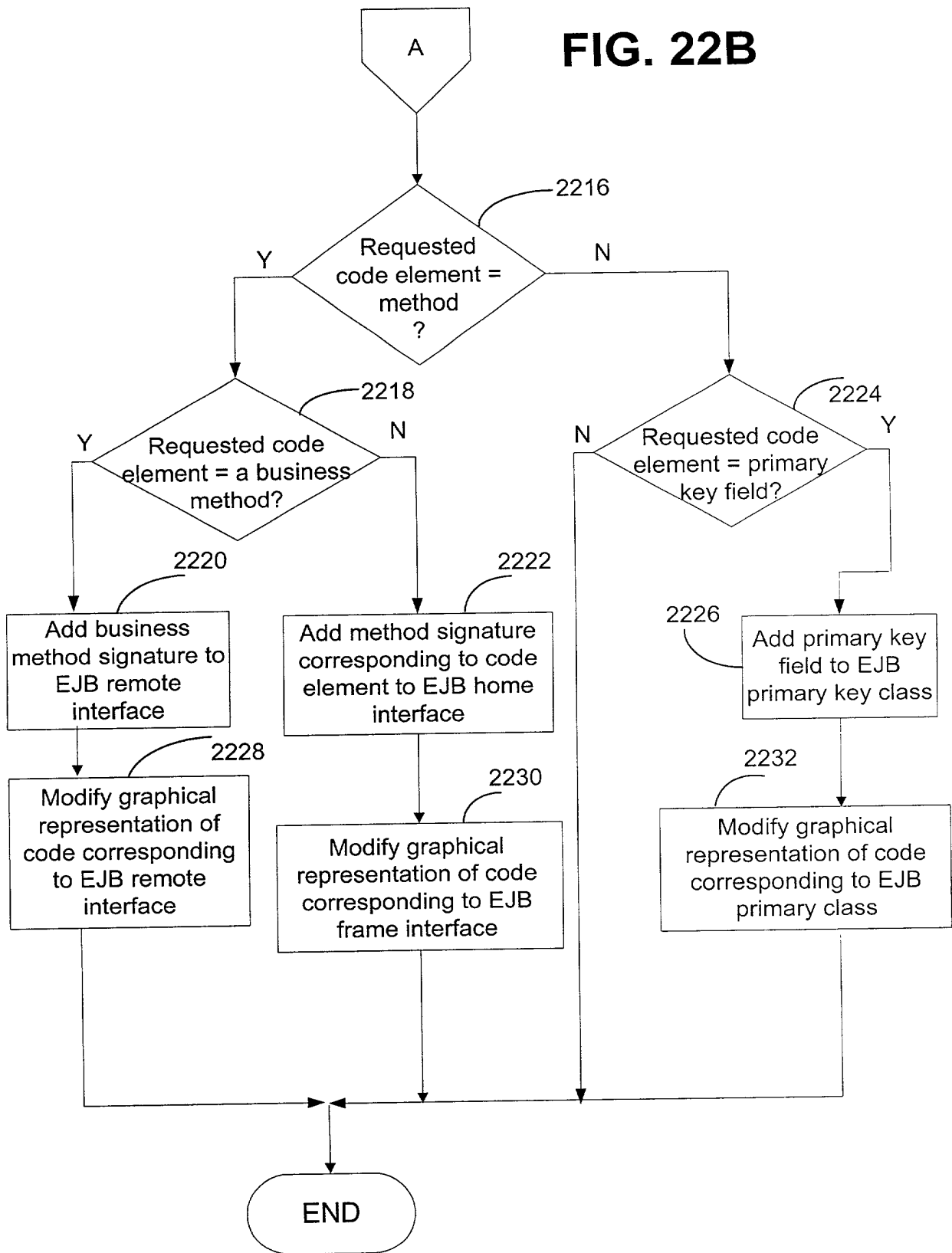


FIG. 23

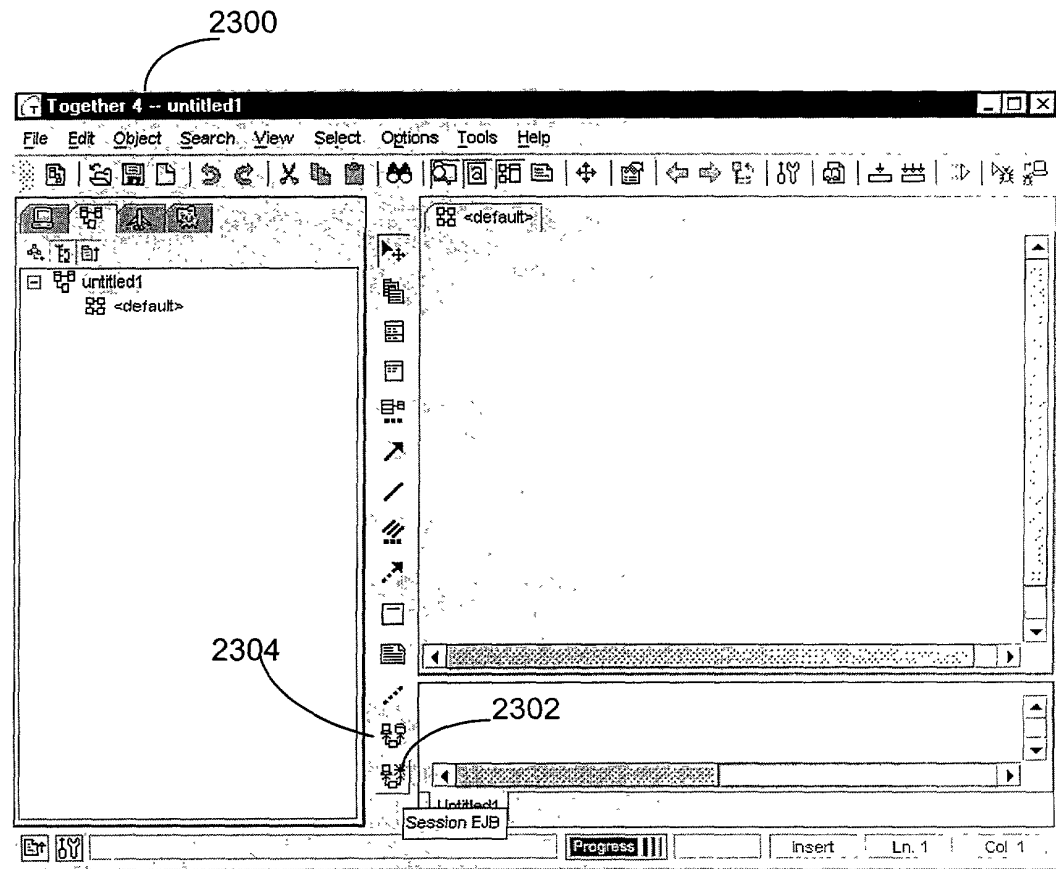


FIG. 24

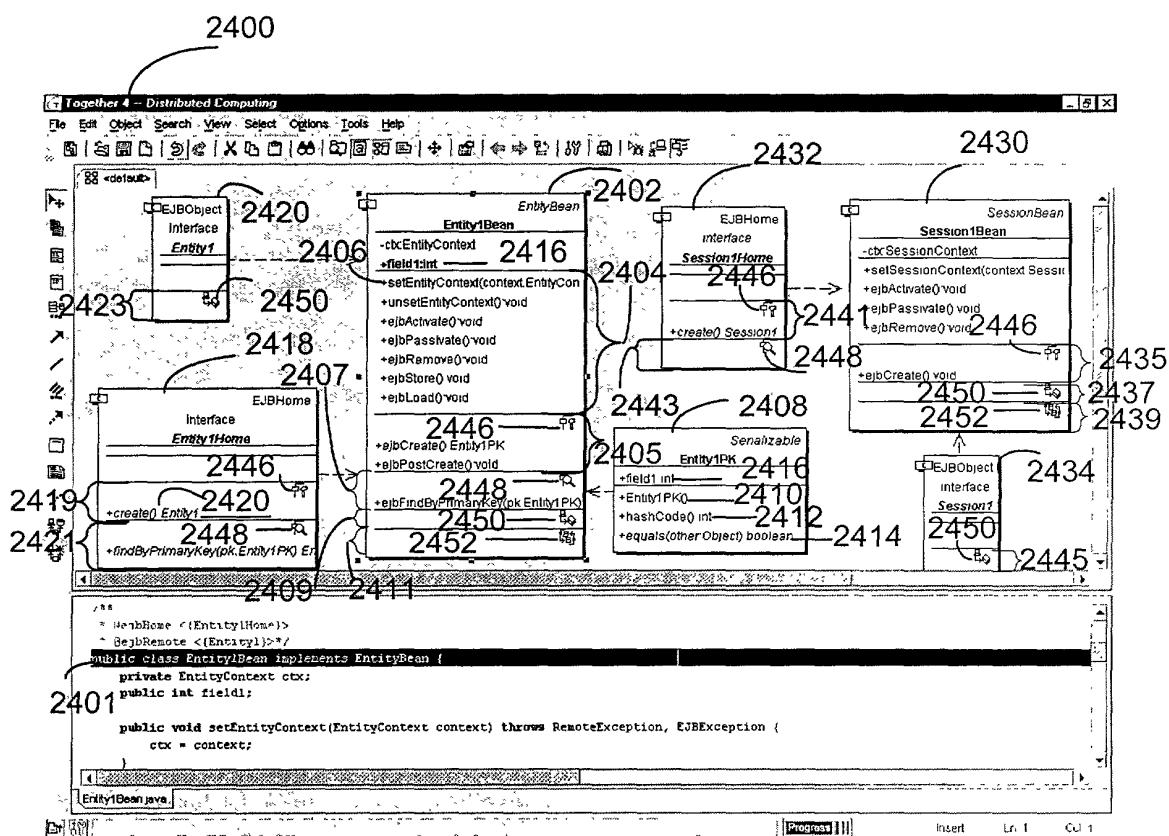


FIG. 25

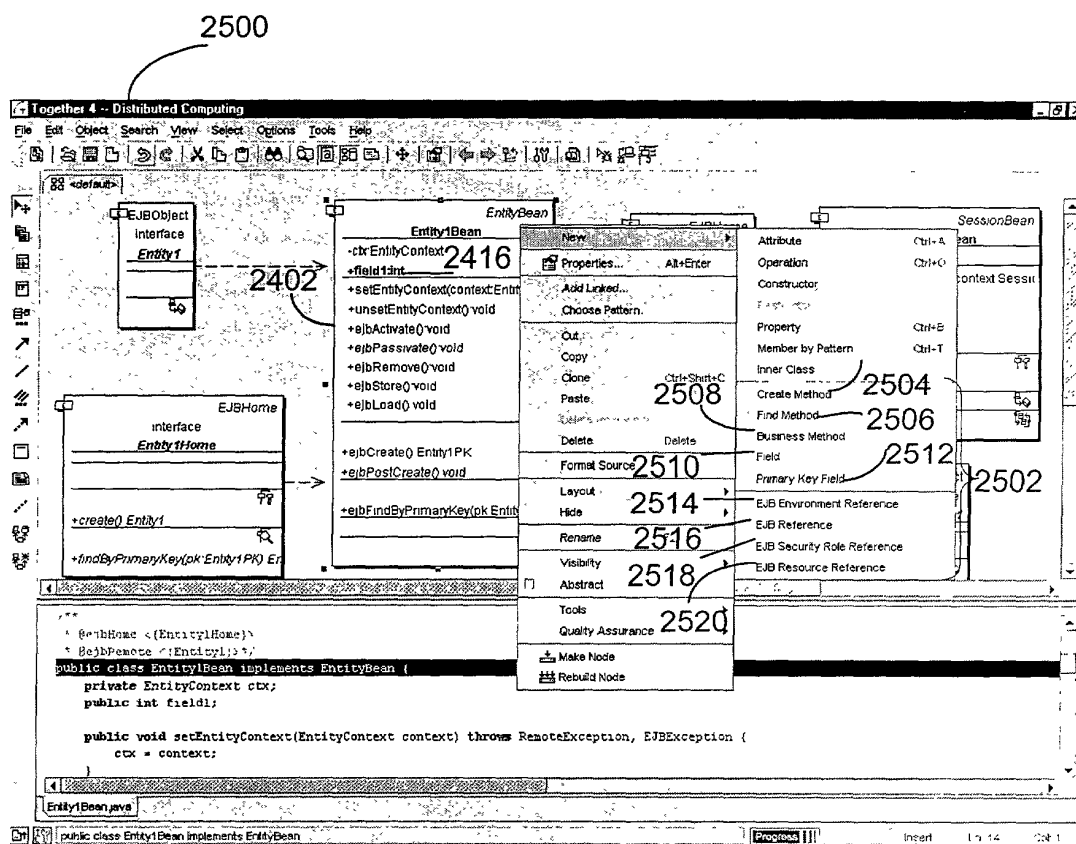


FIG. 26

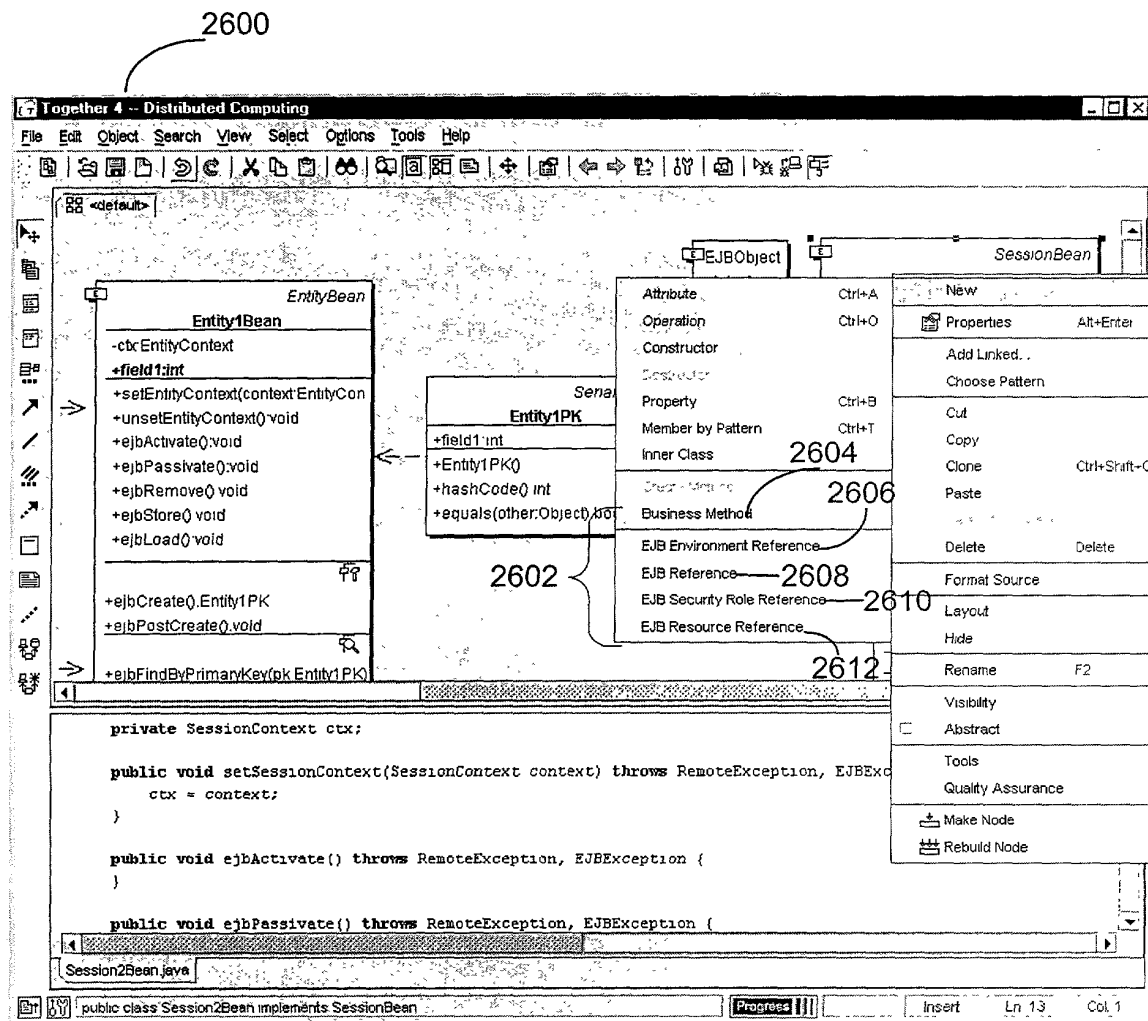


FIG. 27

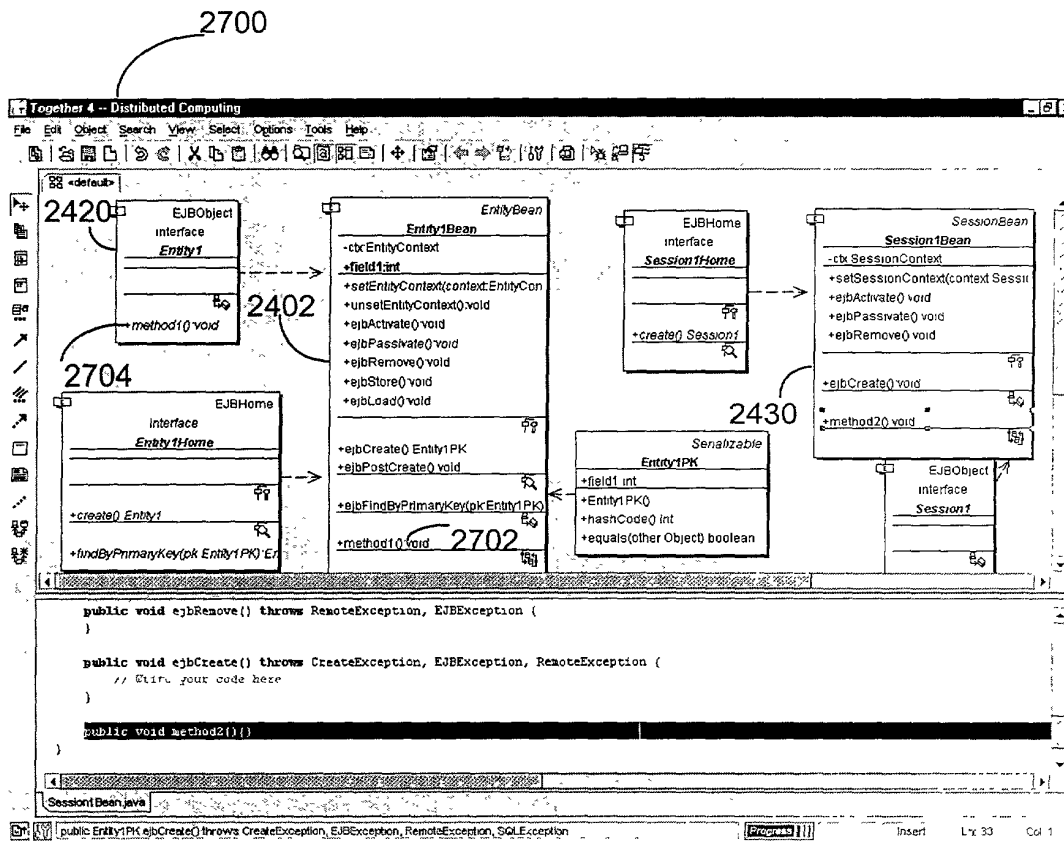


FIG. 28

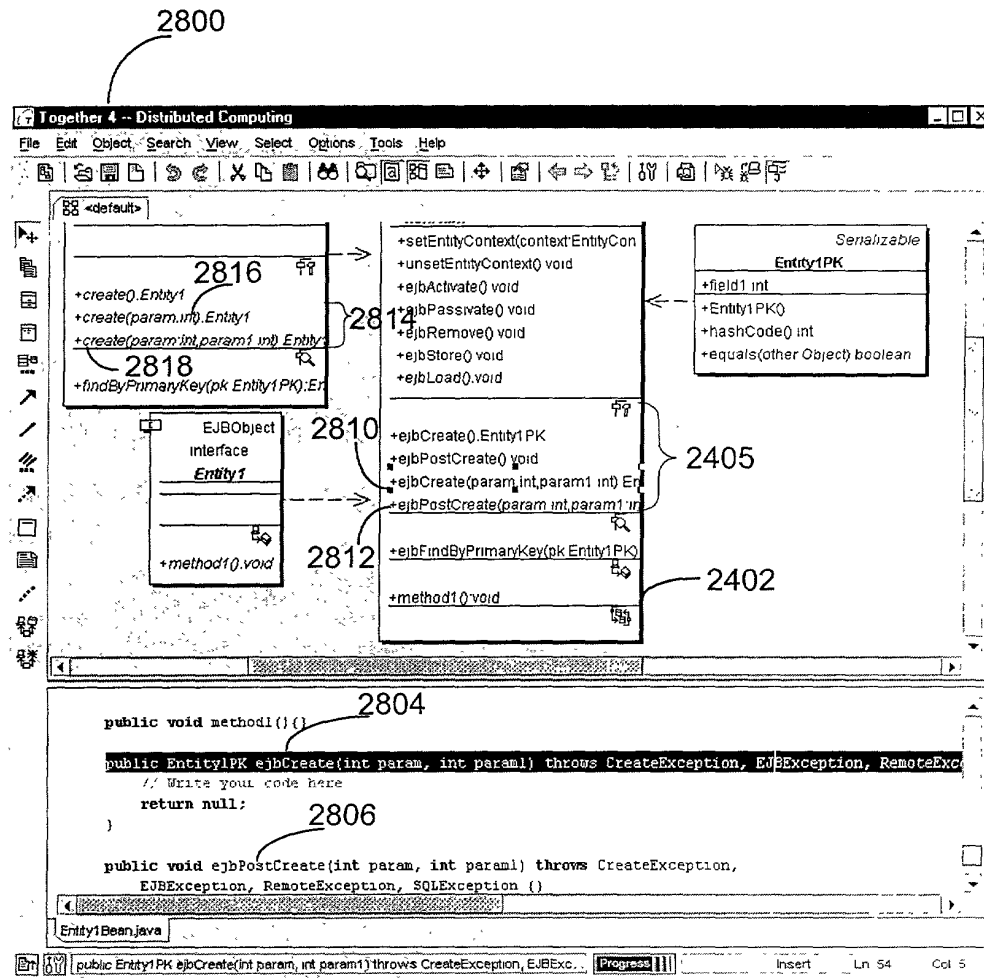


FIG. 29

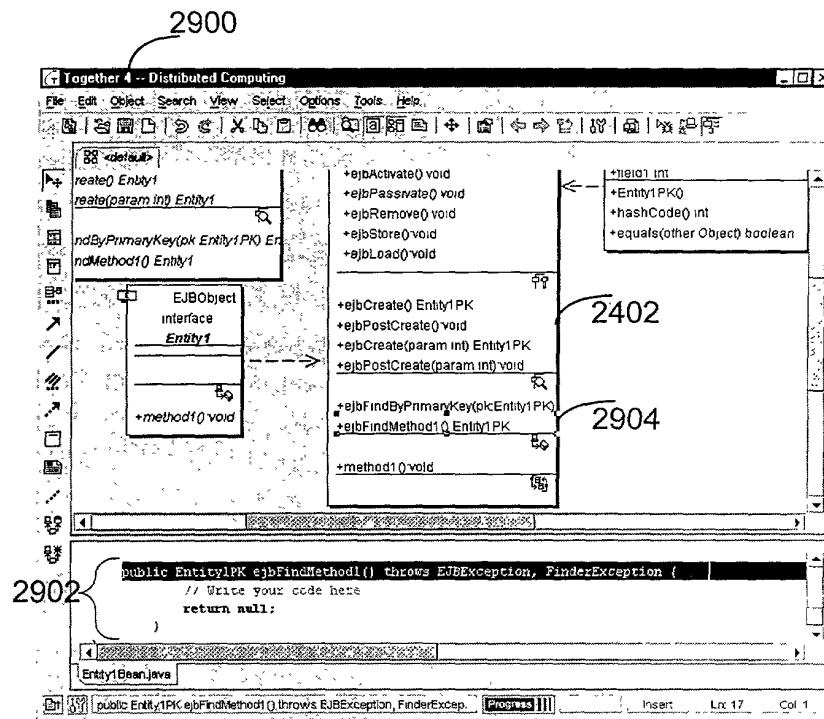


FIG. 30

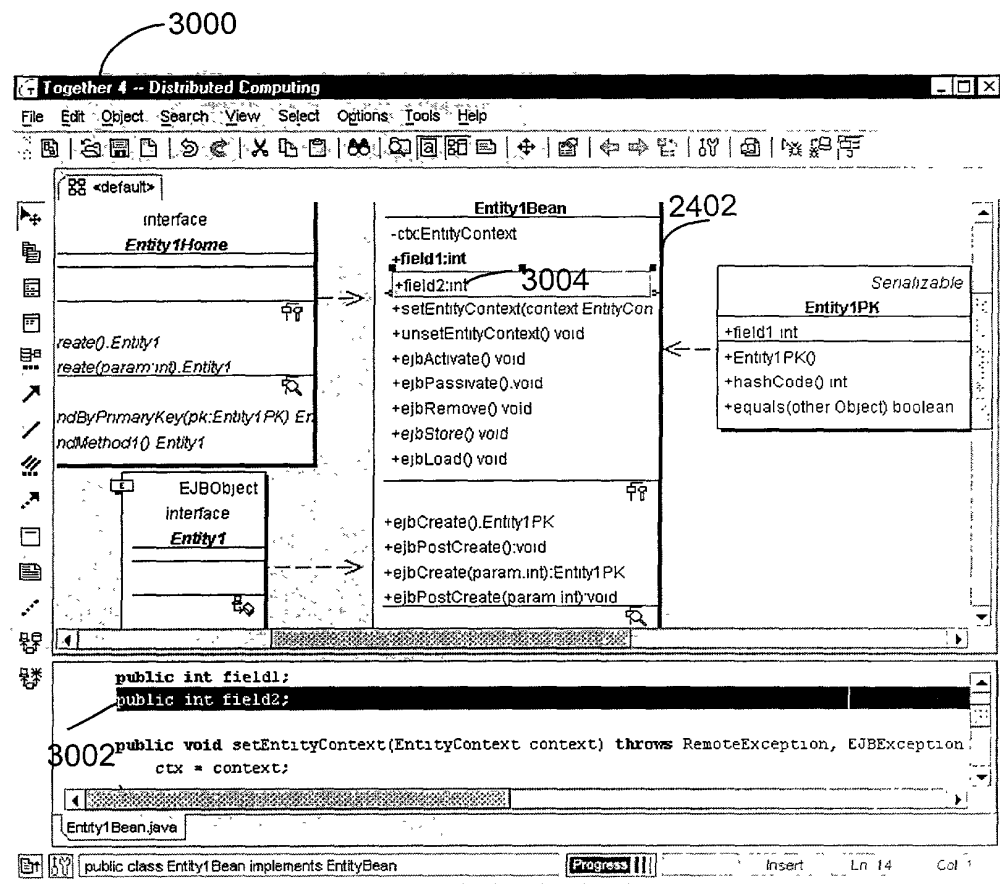


FIG. 31

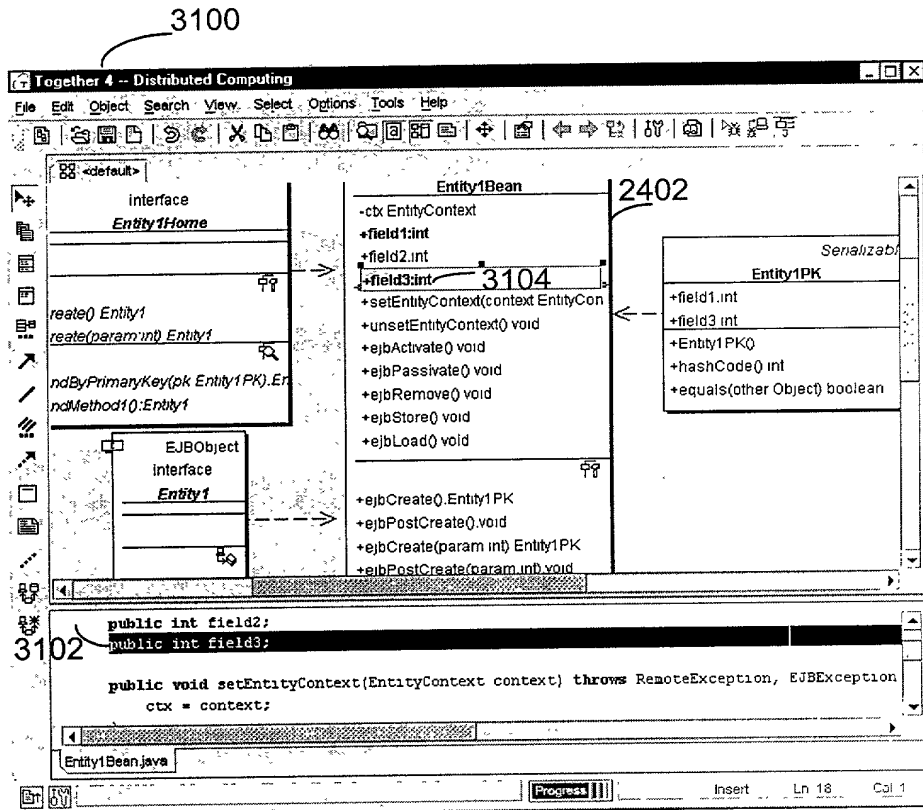


FIG. 32

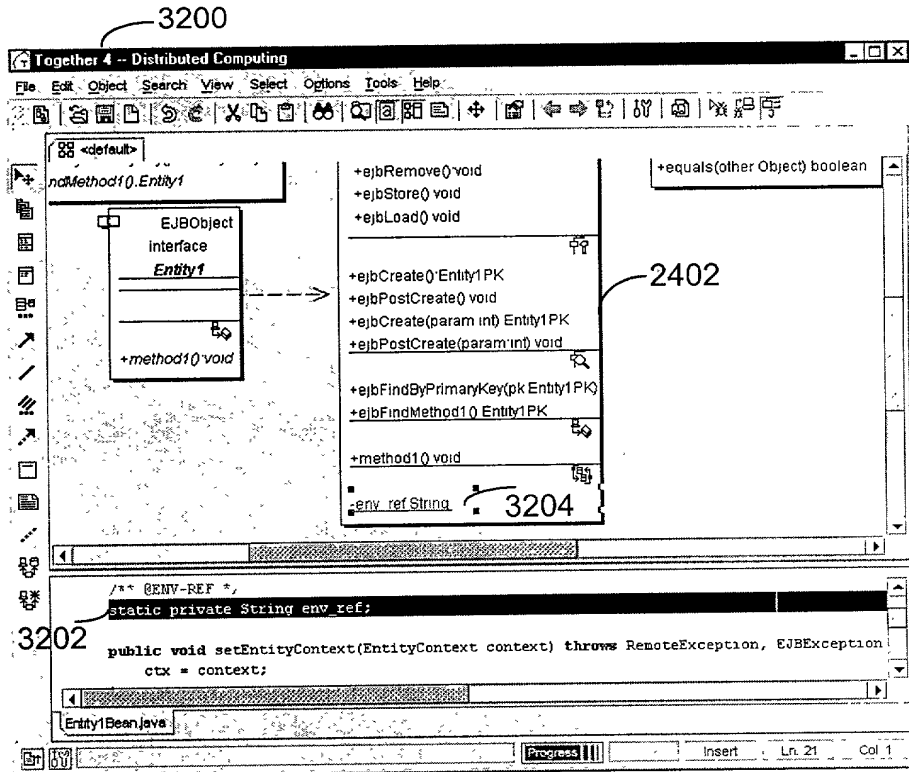


FIG. 33

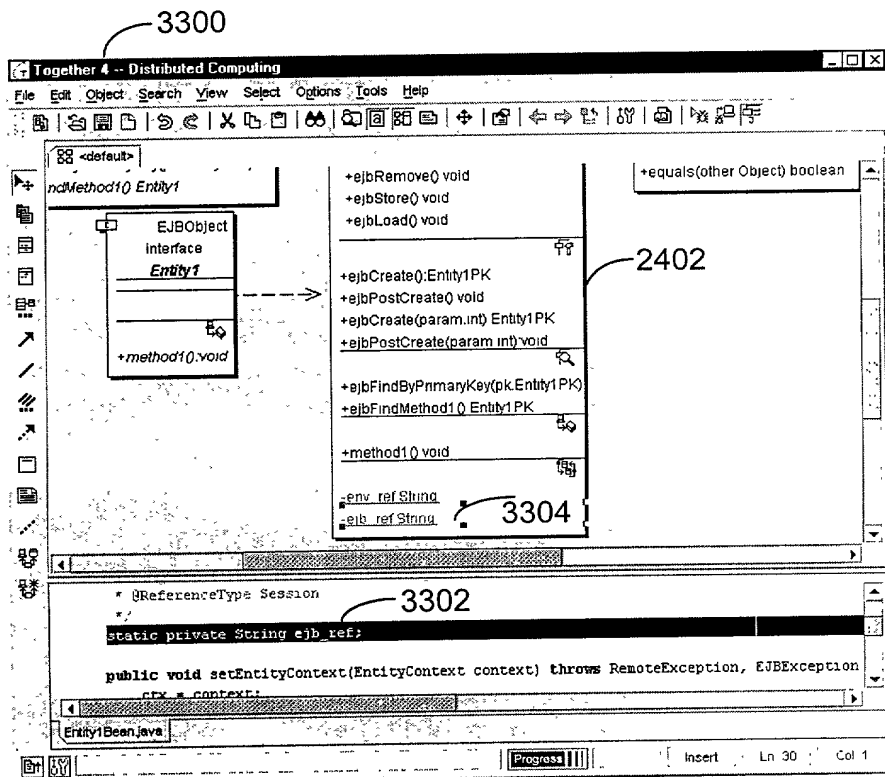


FIG. 34

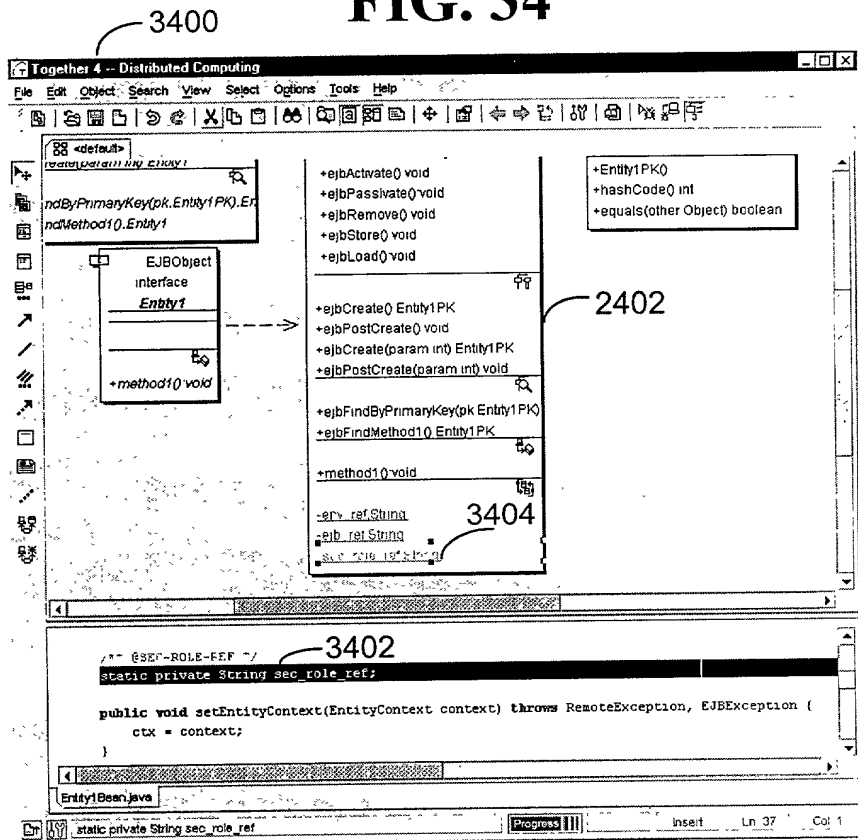


FIG. 35

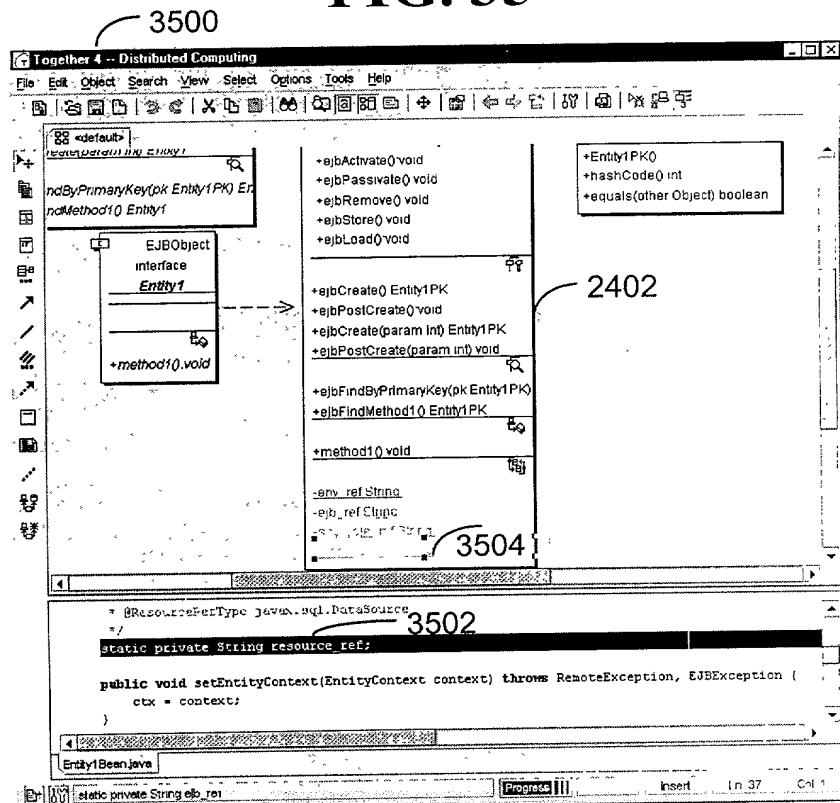


FIG. 36

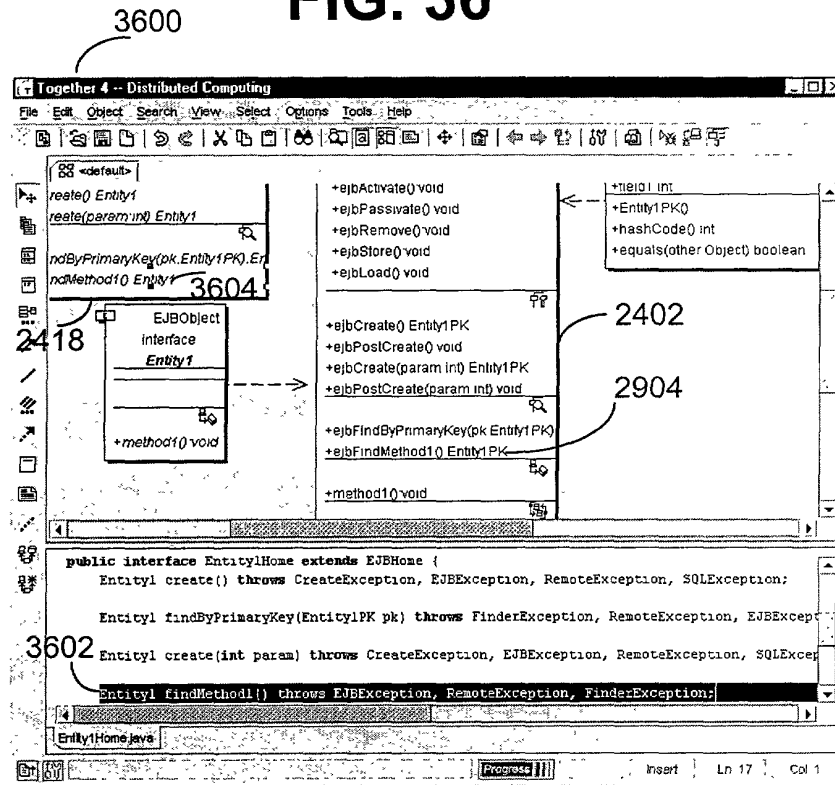


FIG. 37

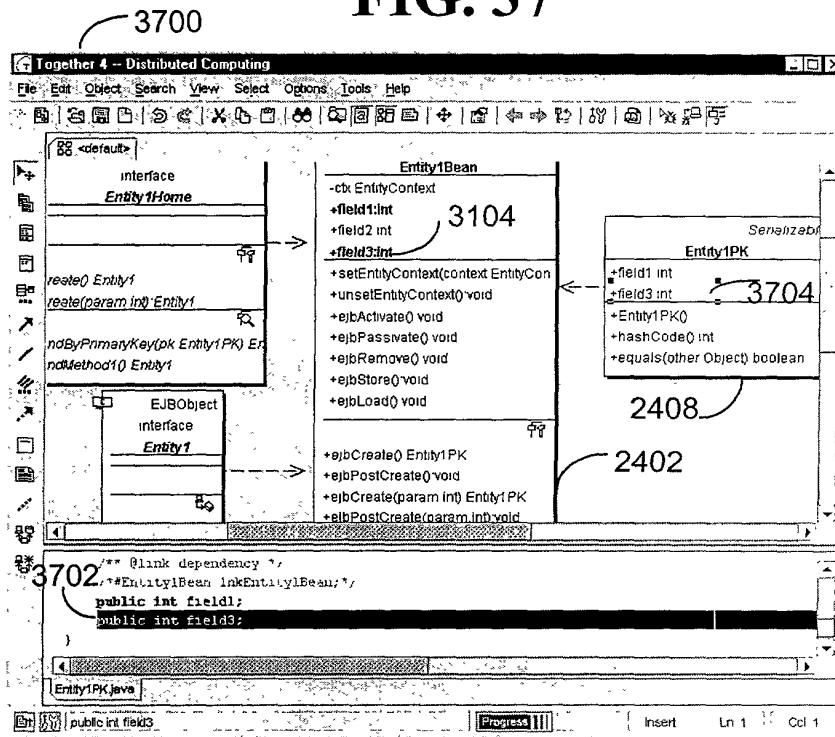


FIG. 38A

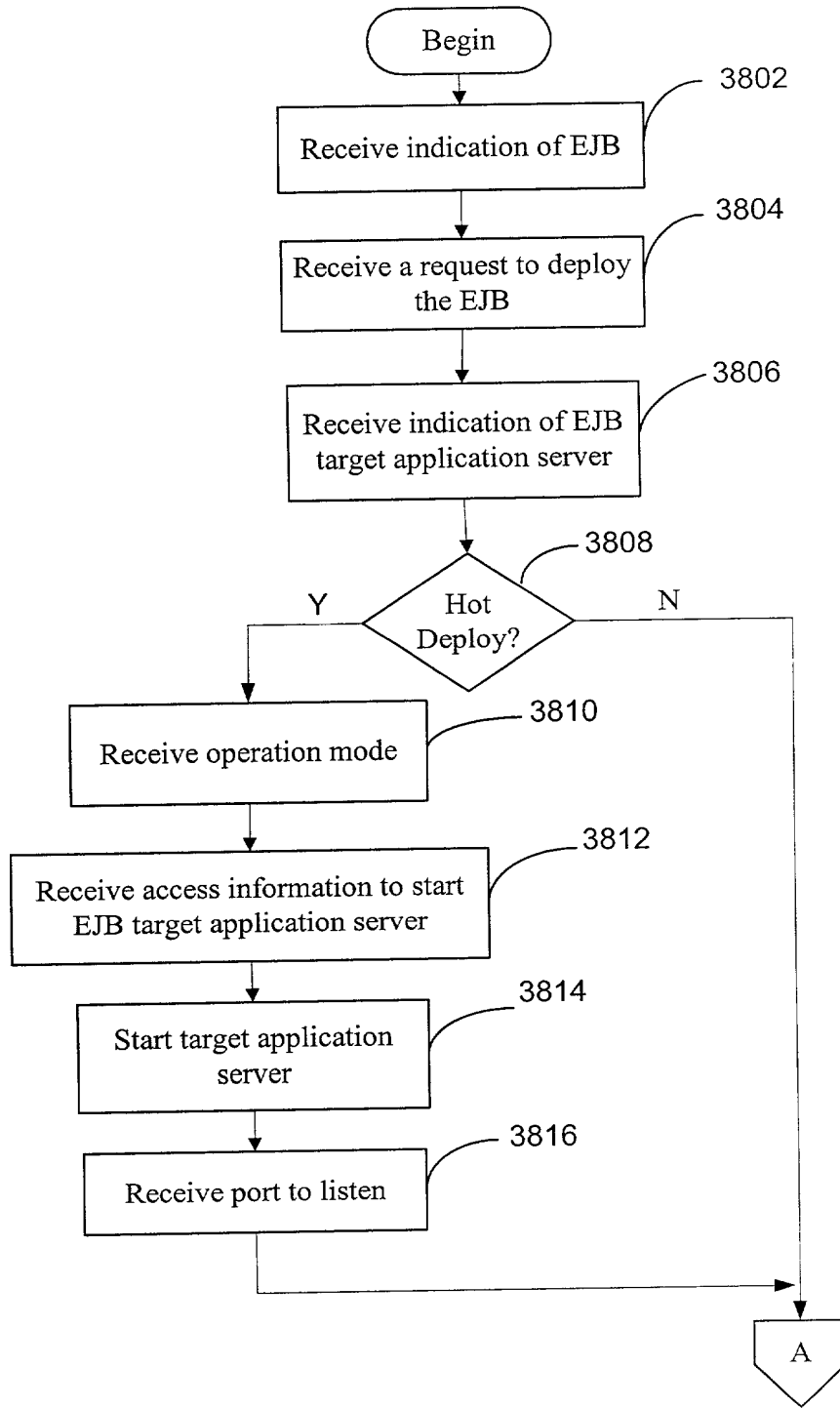


FIG. 38B

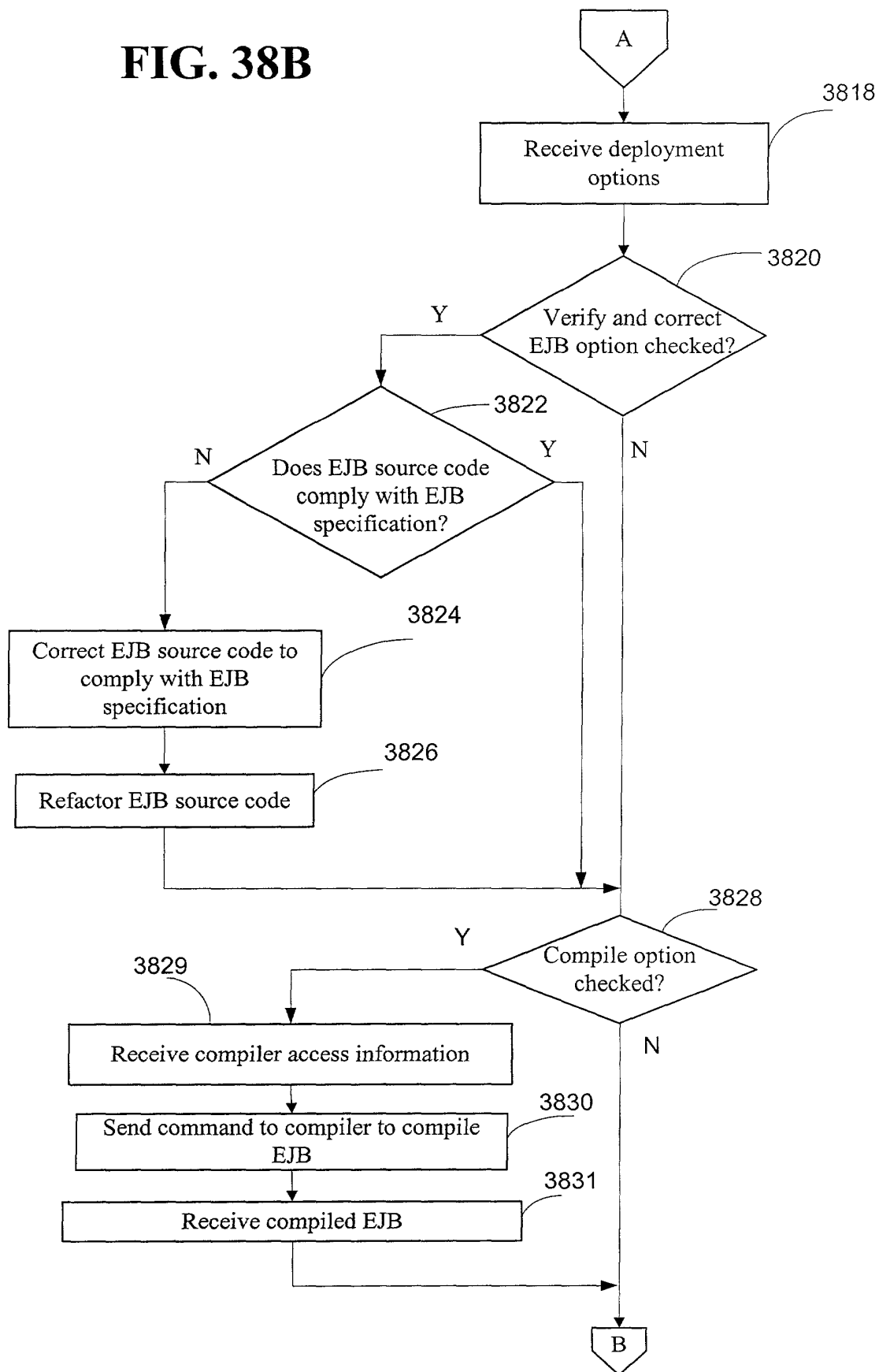


FIG. 38C

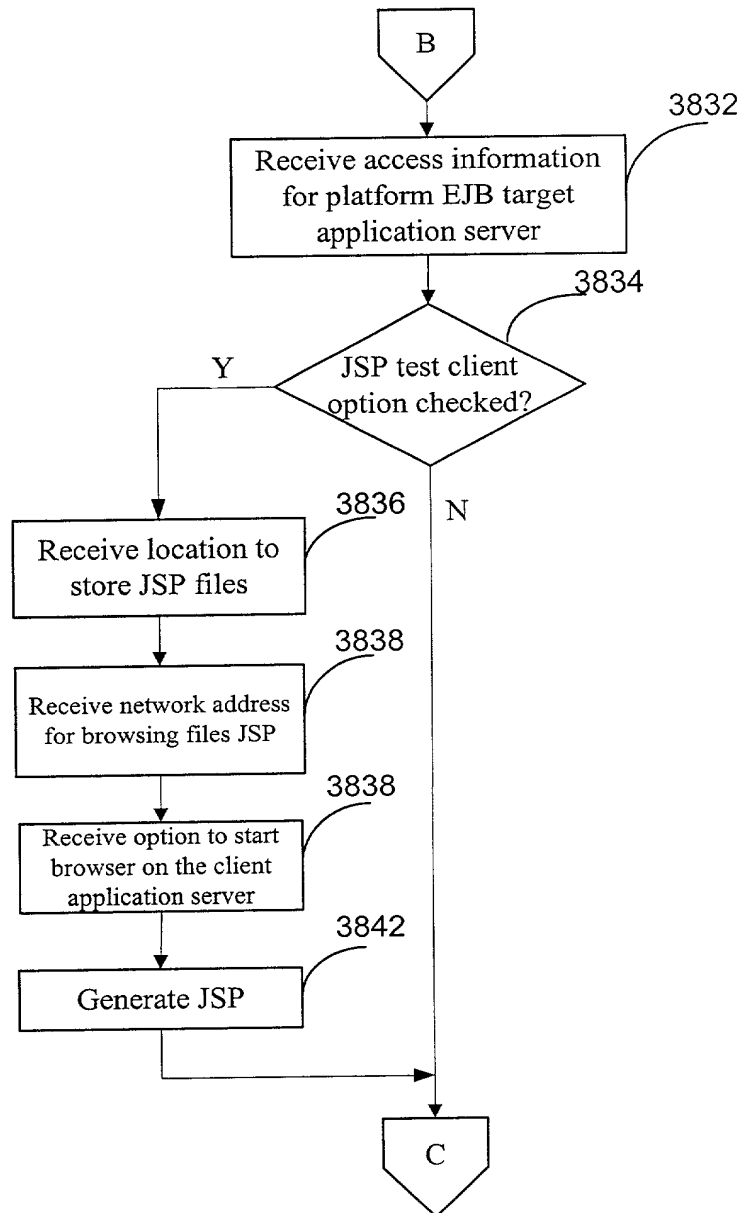


FIG. 38D

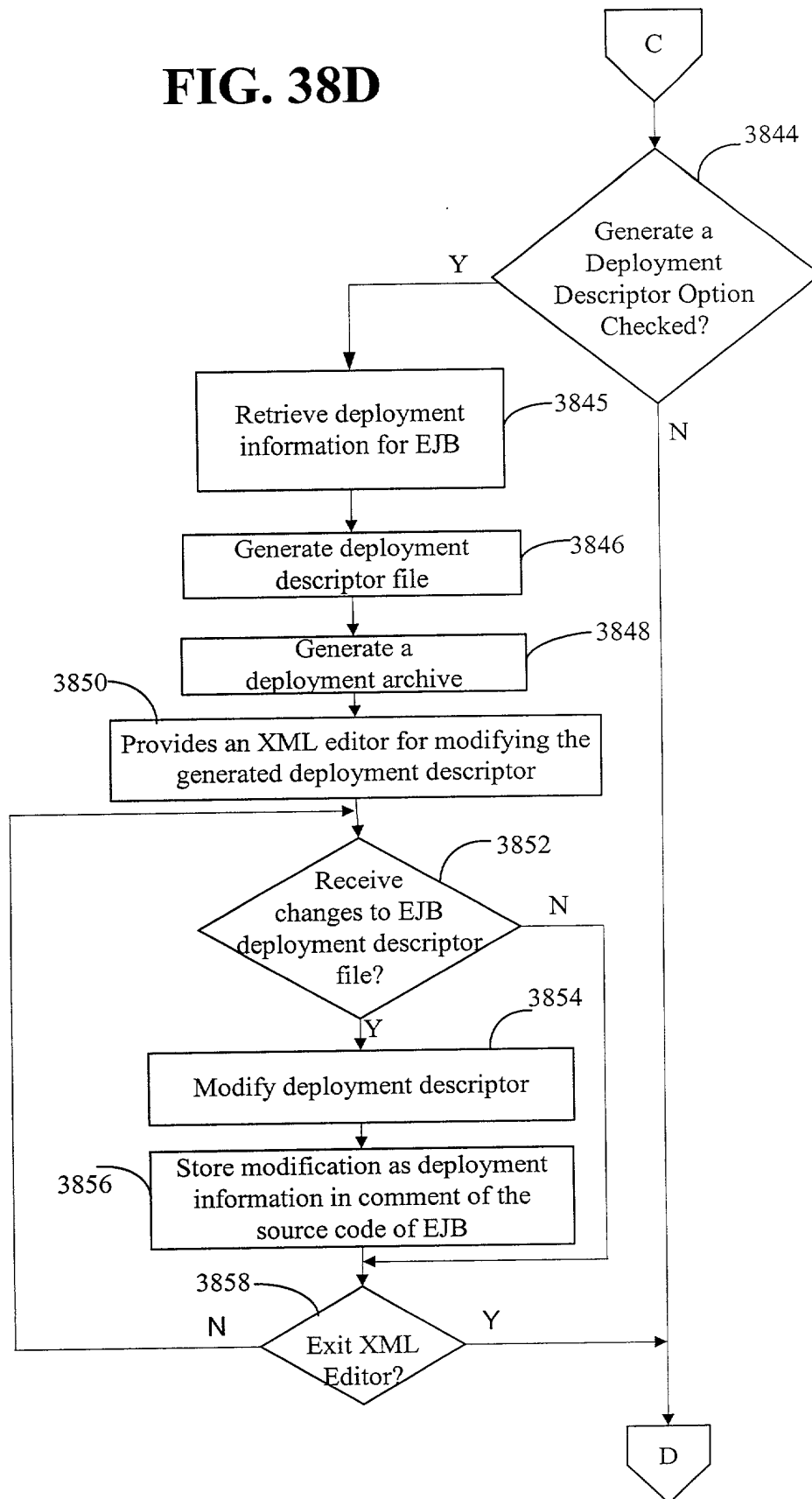


FIG. 38E

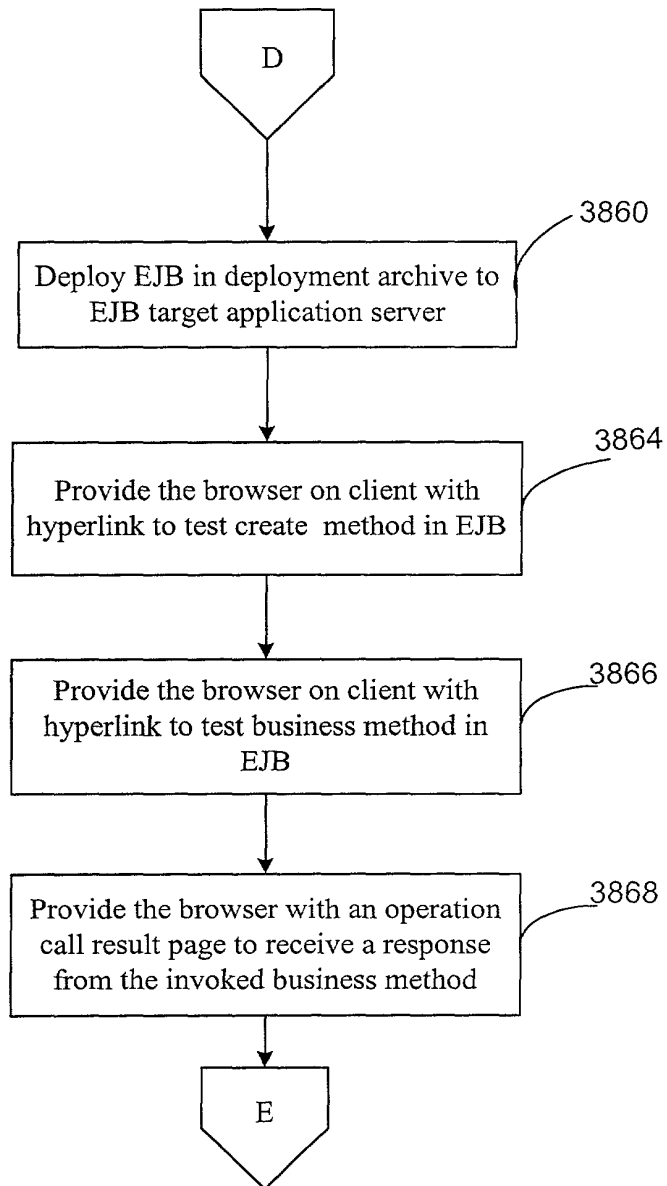


FIG. 38F

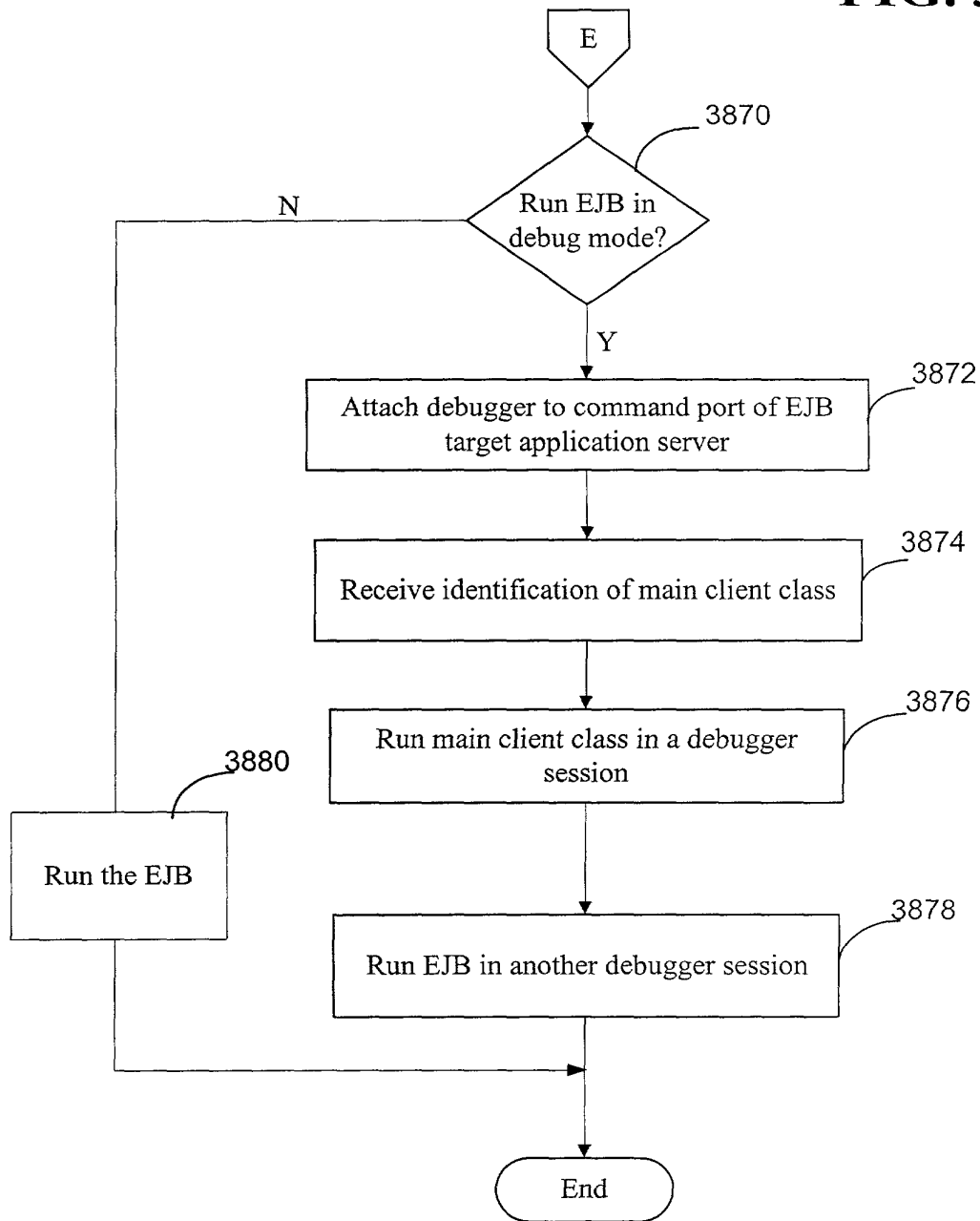
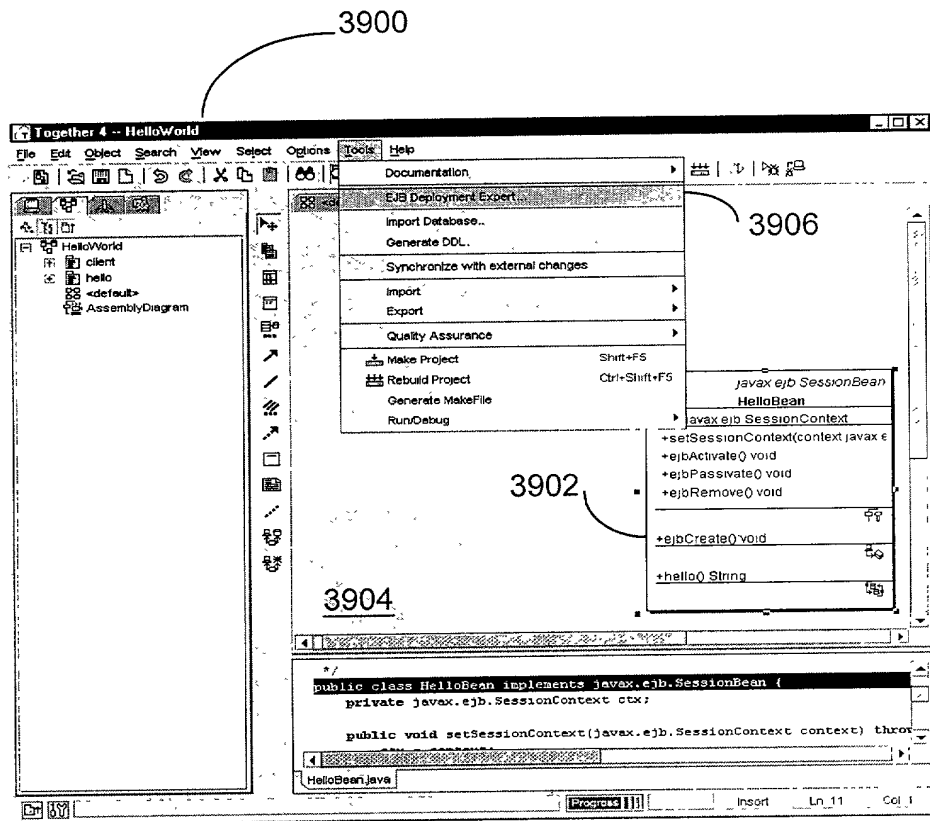
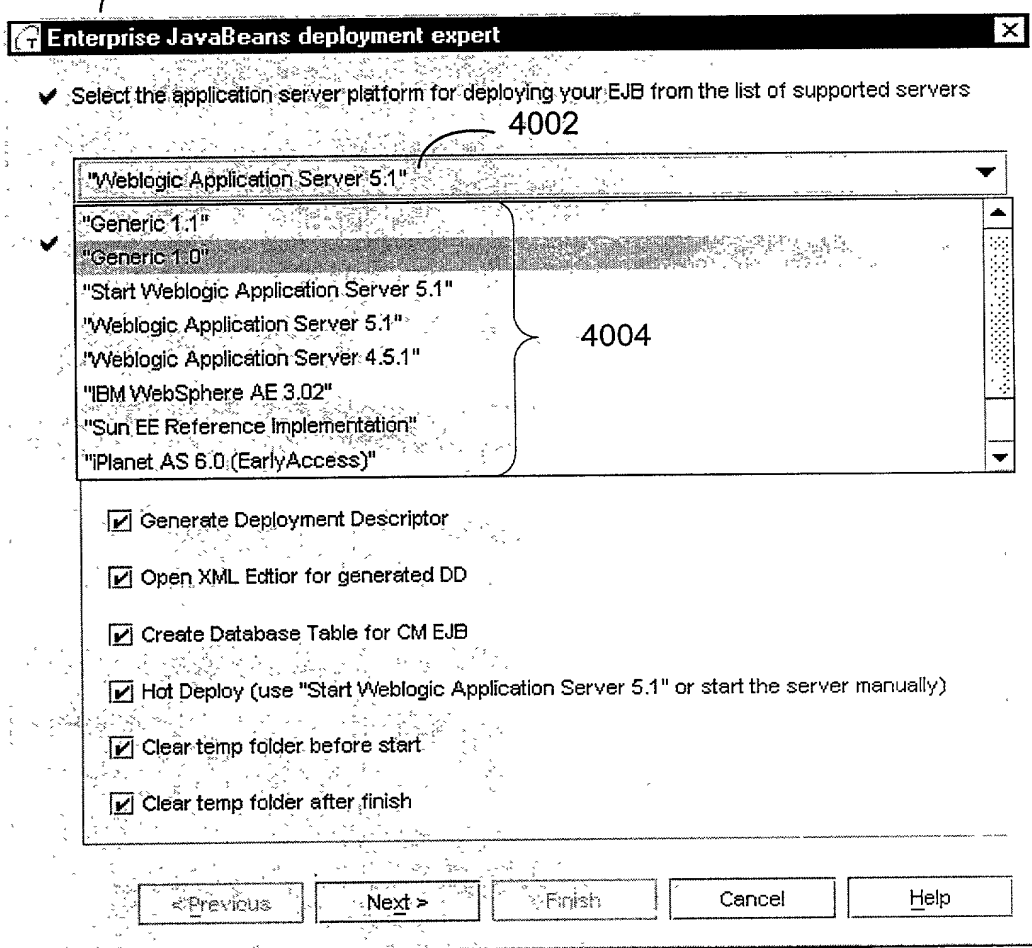


FIG. 39



4000

FIG. 40



4100

FIG. 41

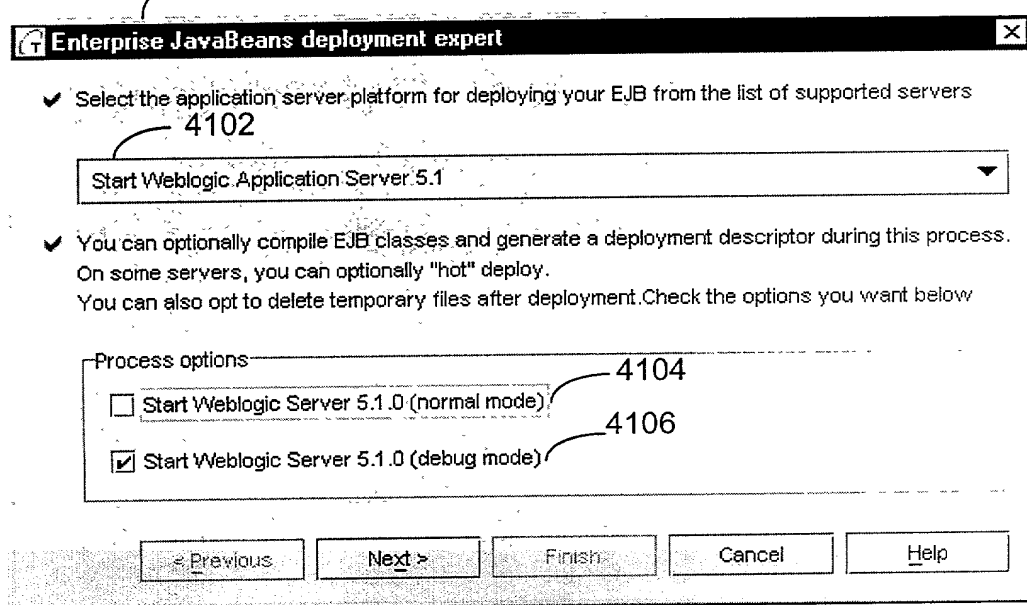


FIG. 42

4200

Name	Value
Root directory of WebLogic Server...	e:\wls51 4202

< Previous Next > Finish Cancel Help

FIG. 43

4300

Name	Value
Remote process port ad...	8787 4302

< Prey... Next > Finish Cancel Help

FIG. 44

4400

```

Thu Dec 14 15:40:27 EST 2000:<I> <EJB> 0 deployed, 0 failed to deploy.
Thu Dec 14 15:40:28 EST 2000:<I> <ZAC> ZAC ACLs initialized
Thu Dec 14 15:40:28 EST 2000:<I> <ZAC> ZAC packages stored in local directory ex
ports
Thu Dec 14 15:40:28 EST 2000:<I> <ListenThread> Listening on port: 7001
<NT Performance Pack> NATIUE: created IoCompletionPort successfully. IoPort=0x00
0002a4
Thu Dec 14 15:40:29 EST 2000:<I> <WebLogicServer> WebLogic Server started
  
```

4402

4404

FIG. 45

4500

Enterprise JavaBeans deployment expert

✓ Select the application server platform for deploying your EJB from the list of supported servers

Weblogic Application Server 5.1

✓ You can optionally compile EJB classes and generate a deployment descriptor during this process. On some servers, you can optionally "hot" deploy. You can also opt to delete temporary files after deployment. Check the options you want below

Process options

- ☒ Add libraries, required for deployment, to the project Search/Classpath 4504
- ☒ Verify/Correct EJB sources for compliance with WLS5.1 requirements 4506
- ☒ Compile classes from the selected diagram 4508
- ☒ Generate Deployment Descriptor 4510
- ☒ Open XML Editor for the generated DD 4512
- ☐ Process Servlet(s)
- ☒ Hot Deploy (use "Start Weblogic Application Server 5.1" or start the server manually)
- ☒ Generate simple JSP client 4514
- ☒ Clear temp folder before start
- ☒ Clear temp folder after finish

4502

< Previous Next > Finish Cancel Help

FIG. 46

4600

Weblogic Application Server 5.1 - Page "Verify/Correct sources"

Name	Value
Stop deployment if verification fails	<input checked="" type="checkbox"/> 4602
Correct sources to comply with WLS5.1	<input checked="" type="checkbox"/> 4604
Backup original sources before correction	<input checked="" type="checkbox"/>
Backup directory (If "correct sources" is selected)	c:\temp\backup

< Previous Next > Finish Cancel Help

FIG. 47

4700

Weblogic Application Server 5.1 - Page "Common Properties"

Name	Value
Folder for the temporary files	c:\temp
Folder for the generated JAR file	c:\temp
JDK 1.2 root directory	e:\jdk1.2.2 4702
Root directory of WebLogic Server...	e:\wls5_1
Short name of EJB JAR file	togetherEJB.jar
Directory to compile Servlet	e:\wls5_1\myserver\servletclasses

< Previous Next > Finish Cancel Help

FIG. 48

4800

Weblogic Application Server 5.1 - Page "Run-time deploy"

Name	Value
System password	***** 4804
Server port	7001 4802 4806
Server host	localhost 4808

< Previous Next > Finish Cancel Help

FIG. 49

4900

Weblogic Application Server 5.1 - Page "Simple JSP client generation"

Name	Value
WebLogic public directory	e:\wls5_1\myserver\public_html 4902
Subdirectory for placing JSP files	myJSP 4904
Base URL for browsing JSP	http://localhost:7001/ 4906
Show result after generation	<input checked="" type="checkbox"/>

< Previous Next > Finish Cancel Help

FIG. 50

5000

Documentation Designer - [C:\Together4.2\modules\com\togethersoft\modules\ejbframework\step\jsp\templates\Navigation...

File Object Stock Help

NavigationPage.jsp 5002

Element iteration	Iteration by "Class (generic)"
Header	<div align="left">..... Entity beans</div>
Static Section	<div align="center"> <p align="left">EJB: InvokeForName(getDGOption("AdapterNP"), "getBeanNameByHomeInt", getDGO </p></div>
Element iteration	Iteration by "Operation (generic)"
Header	<blockquote> <div align="left">Finders: </div> </blockquote>
Static Section	<div align="left"> Return type: Name (Parameter </div>
Footer	</blockquote> </blockquote>
Element iteration	Iteration by "Operation (generic)"
Header	<blockquote> <div align="left">Creators: </div> </blockquote>
Static Section	<div align="left"> <p> Name (Parameter </div>
Footer	</blockquote> </blockquote>
Element iteration	Iteration by "Class (generic)"
Header	<div align="left">..... Session beans</div>
Static Section	<div align="center"> <p align="left">EJB: InvokeForName(getDGO</p></div>
Element iteration	Iteration by "Operation (generic)"
Header	<blockquote>

FIG. 50

FIG. 51

```

<?xml version="1.0"?>

<!DOCTYPE ejb-jar PUBLIC "-//Sun Microsystems, Inc.//DTD Enterprise
JavaBeans 1.1//EN" 'http://java.sun.com/j2ee/dtds/ejb-jar_1_1.dtd'>

<ejb-jar>
  <enterprise-beans>
    <session>
      <ejb-name>HelloBean</ejb-name>
      <home>hello.HelloHome</home>
      <remote>hello.Hello</remote>
      <ejb-class>hello.HelloBean</ejb-class>
      <session-type>Stateful</session-type>
      <transaction-type>Container</transaction-
type></session></enterprise-beans>
    <assembly-descriptor>
      <container-transaction>
        <method>
          <ejb-name>HelloBean</ejb-name>
          <method-name>*</method-name></method>
        <method>
          <ejb-name>HelloBean</ejb-name>
          <method-intf>Home</method-intf>
          <method-name>*</method-name></method>
        <method>
          <ejb-name>HelloBean</ejb-name>
          <method-intf>Remote</method-intf>
          <method-name>*</method-name></method>
        <trans-attribute>NotSupported</trans-attribute></container-
transaction></assembly-descriptor></ejb-jar>

```

Diagram annotations:

- 5100 points to the root XML declaration: `<?xml version="1.0"?>`
- 5102 points to the DOCTYPE declaration: `<!DOCTYPE ejb-jar PUBLIC ...>`
- 5104 points to the `<ejb-jar>` element.
- 5108 points to the `<enterprise-beans>` element.
- 5112 points to the `<session>` element.
- 5116 points to the `<ejb-name>HelloBean</ejb-name>` element.
- 5120 points to the `<home>hello.HelloHome</home>` element.
- 5122 points to the `<remote>hello.Hello</remote>` element.
- 5124 points to the `<ejb-class>hello.HelloBean</ejb-class>` element.
- 5126 points to the `<session-type>Stateful</session-type>` element.
- 5128 points to the `<transaction-type>Container</transaction-type>` element.
- 5114 points to the `</enterprise-beans>` closing tag.
- 5130 points to the `<assembly-descriptor>` element.
- 5132 points to the `<trans-attribute>NotSupported</trans-attribute>` element.
- 5110 points to the `</ejb-jar>` closing tag.

FIG. 52

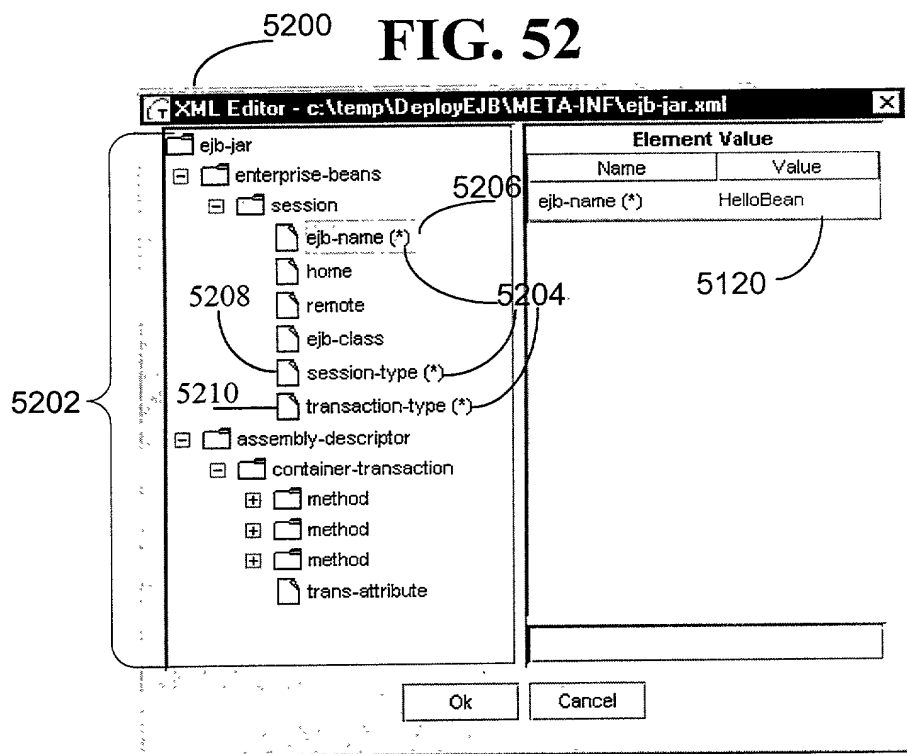


FIG. 53

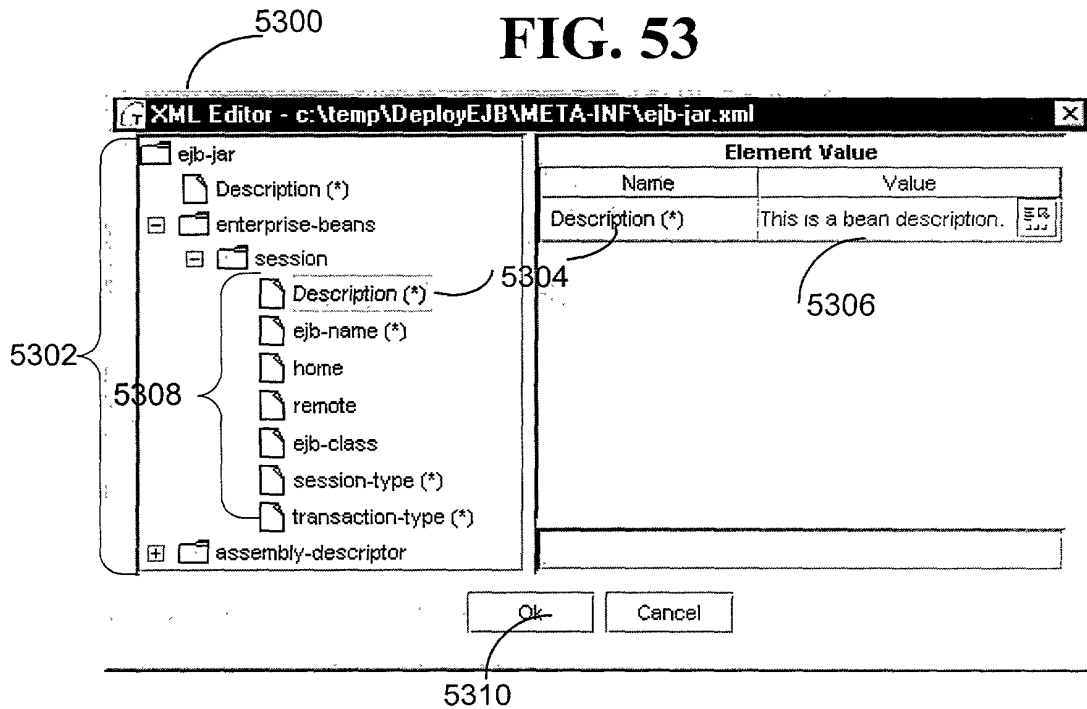


FIG. 54

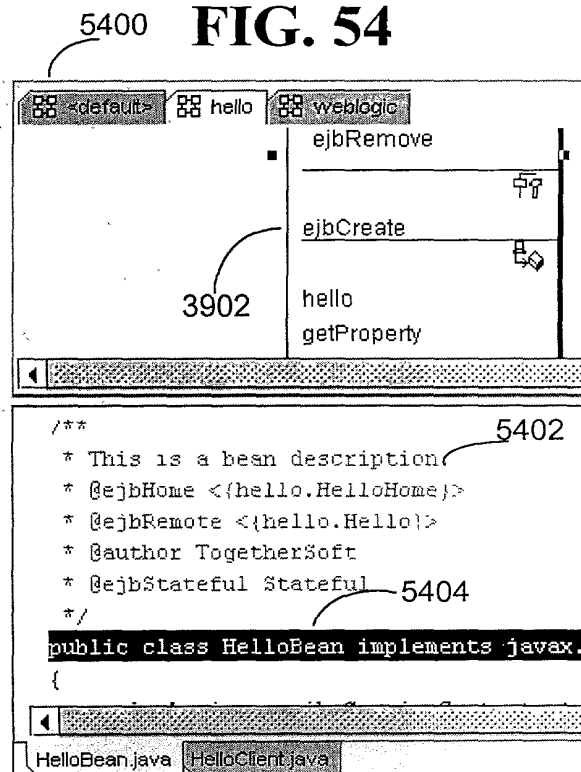


FIG. 55

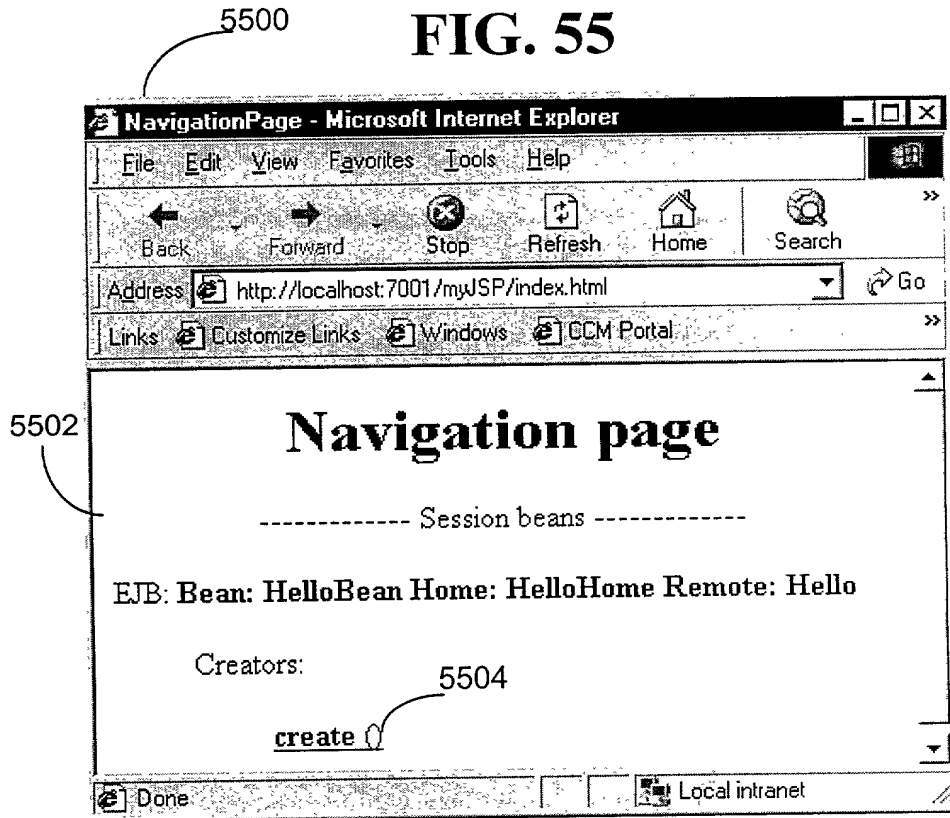


FIG. 56

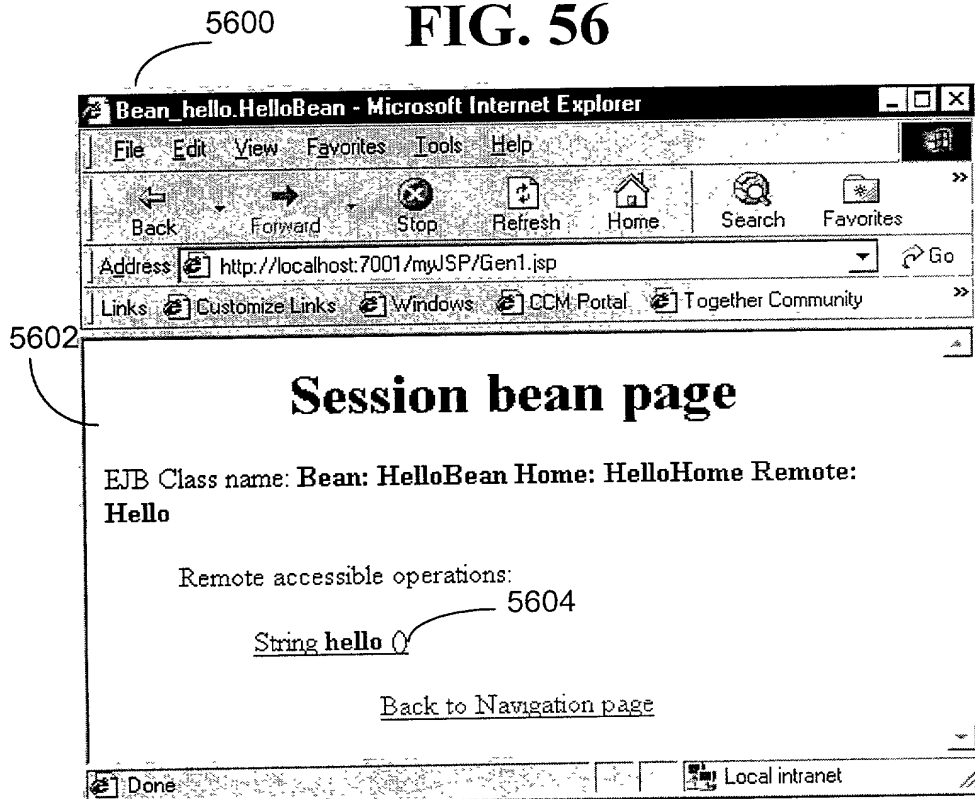


FIG. 57

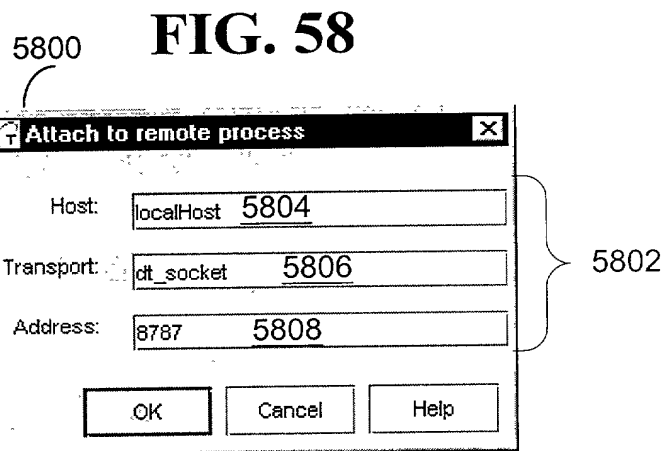
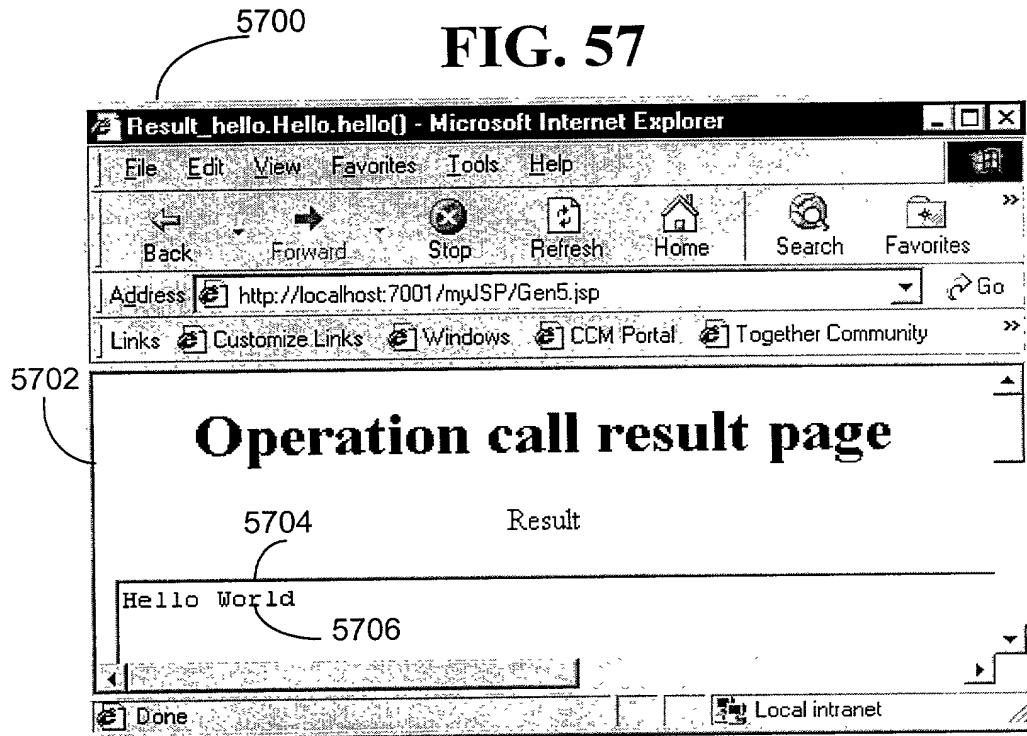


FIG. 59

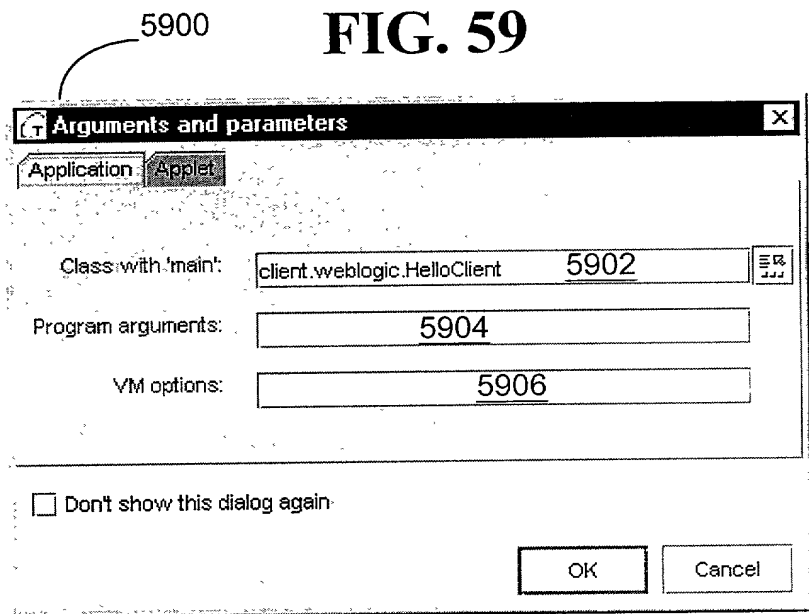


FIG. 60

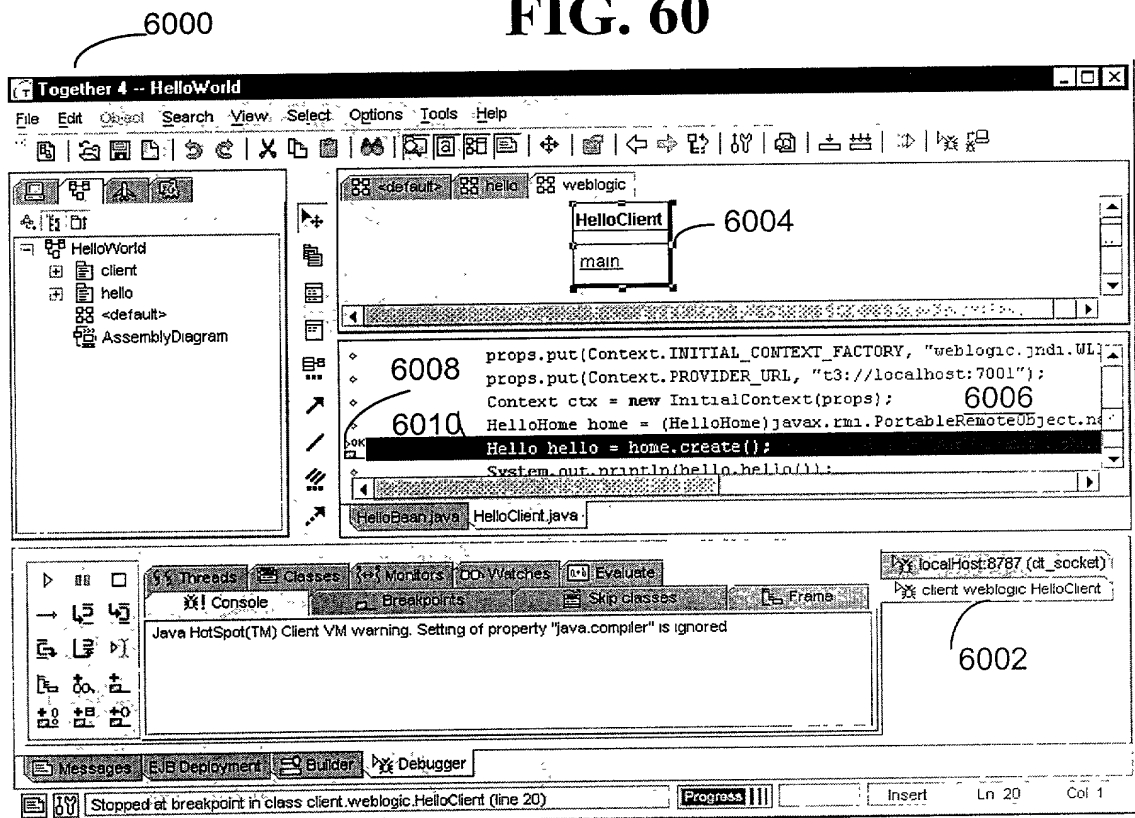


FIG. 61

